

Transformers



	10/2	Introduction	
		Single-Phase Transformers	Three-Phase Transformers
		<u>Safety, Isolating, Control and Mains Transformers</u>	<u>Safety, Isolating, Control and Mains Transformers</u>
10/5		General data	General data
10/6		SIRIUS 4AM safety, mains and control transformers	SIRIUS 4AP, 4AU isolating, control and mains transformers
10/20		SIRIUS 4AM safety and mains transformers	SIRIUS 4AP isolating and mains transformers
10/24		SIRIUS 4AM, 4AT isolating, control and mains transformers	SIRIUS 4AP, 4AU transformers with selectable voltages
10/42		SIRIUS 4AM isolating and mains transformers	SIRIUS 4AP, 4AU autotransformers for mains matching
10/47		SIRIUS 4AT isolating transformers for the supply of medical premises	Power Transformers
10/48		SIRIUS 4AM, 4AT transformers with selectable voltages	General data
		<u>Power Transformers</u>	SIRIUS 4BU matching transformers
10/50		General data	SIRIUS 4BU matching transformers with cURus approval
10/51		SIRIUS 4BT transformers with selectable voltages	SIRIUS 4BU transformers with selectable voltages
		<u>Voltage Regulators</u>	<u>Voltage Regulators</u>
10/52		4FL voltage regulators, transformer type	4FL voltage regulators, transformer type
10/53		4FK voltage regulators, magnetic type	
			Technical Information
			can be found at www.siemens.com/industrial-controls/support
			under Product List: - Technical Specifications
			under Entry List: - Updates - Downloads - FAQ - Manuals - Characteristic curves - Certificates
			and at www.siemens.com/industrial-controls/configurators - Configurators

Transformers

Introduction

Overview

Single-phase transformers



4AM



4AT



4BT

4AT for supply
of medical pre-
mises

4FK



4CH

Version	Rated power	Rated input voltage	Rated output voltage	Safety class	Page
	kVA	V AC	V AC		
Safety, Isolating, Control and Mains Transformers					
SIRIUS 4AM safety, mains and control transformers					
With one input voltage	0.063 ... 1.0	230 ± 5 %; 400 ± 5 %; 440 ± 5 %; 500 ± 5 %	24; 42	I	10/6
For European voltages	0.063 ... 1.0	400/230 ± 15 V	24; 42	I	10/14
In multi-voltage version	0.063 ... 1.0	550 ... 208; 600 ... 230	24; 42	I	10/16
SIRIUS 4AM safety and mains transformers					
With one input voltage	0.025 ... 0.04	230 ± 5 %; 400 ± 5 %; 440 ± 5 %; 500 ± 5 %	24; 42	I	10/20
SIRIUS 4AM, 4AT isolating, control and mains transformers					
4AM and 4AT with one input voltage	4AM: 0.063 ... 2.5; 4AT: 4 ... 10	230 ± 5 %; 400 ± 5 %; 440 ± 5 %; 500 ± 5 %	110; 2 × 115; 230	I	10/24
4AM with one input voltage without c <u>on</u> bus	4AM: 0.063 ... 2.5	660 ± 5 %; 690 ± 5 %	230	I	10/37
4AM and 4AT in European voltage design	4AM: 0.063 ... 2.5; 4AT: 4 ... 10	400/230 ± 15 V	2 × 115	I	10/39
4AM and 4AT in multi-voltage version	4AM: 0.063 ... 2.5; 4AT: 4 ... 10	550 ... 208; 600 ... 230	2 × 115	I	10/40
SIRIUS 4AM isolating and mains transformers					
4AM with one input voltage	0.025 ... 0.04	230 ± 5 %; 400 ± 5 %; 440 ± 5 %; 500 ± 5 %	110; 230	I	10/42
4AM with one input voltage without c <u>on</u> bus	0.025 ... 0.04	660 ± 5 %; 690 ± 5 %	230	I	10/46
SIRIUS 4AT isolating transformers					
For supply of medical premises	2.5 ... 8	230	230-115	I	10/47
SIRIUS 4AM, 4AT transformers with selectable voltages					
4AM and 4AT safety, isolating, control and mains transformers and autotransformers	4AM: 0.025 ... 2.5; 4AT: 4 ... 16	selectable; 4AM: 12 ... 690 ¹⁾ , 4AT: 24 ... 690 ¹⁾	selectable; 4AM: 12 ... 690 ¹⁾ , 4AT: 24 ... 690 ¹⁾	I	10/48
Power transformers					
SIRIUS 4BT transformers with selectable voltages	18 ... 250	selectable; 100 ... 1000 ¹⁾	selectable; 100 ... 1000 ¹⁾	I	10/51
Voltage regulators					
4FL transformer type	1 ... 63	230	230	I	10/52
4FK magnetic type	0.06 ... 10	230/selectable	230/selectable	I	10/53
Variable-ratio transformers					
4CH toroidal-core variable-ratio transformers	0.28 ... 3.22 0.69 ... 3.22	400 230	0 ... 230 stepless 0 ... 230 stepless	I I	2) 2)
4CP pillar-type variable-ratio transformers	13.8 ... 207	400	0 ... 400 stepless	I	2)

¹⁾ conbus max. 600 V.

²⁾ For more information see the interactive Catalog CA 01 and Industry Mall.

Three-phase transformers

4AP20



4AU



4BU



4FL

Version	Rated power kVA	Rated input voltage V AC	Rated output voltage V AC	Safety class	Page
Safety, Isolating, Control and Mains Transformers					
SIRIUS 4AP, 4AU isolating, control and mains transformers					
4AP and 4AU in two-voltage version	0.63 ... 16	Y 500-400 /Δ 289-230	Y 400/Δ 230	I	10/55
4AP and 4AU in multi-voltage version	0.63 ... 16	Y 520 ... 360 /Δ 300 ... 208	Y 400/Δ 230	I	10/56
SIRIUS 4AP isolating and mains transformers					
In two-voltage version	0.16 ... 0.4	Y 500-400 /Δ 289-230	Y 400/Δ 230	I	10/57
SIRIUS 4AP, 4AU transformers with selectable voltages					
4AP and 4AU safety, isolating, control and mains transformers and autotransformers	4AP: 0.16 ... 5; 4AU: 6.3 ... 16	selectable; 4AP: 12 ... 690 ¹⁾ ; 4AU: 24 ... 690 ¹⁾	selectable; 4AP: 12 ... 690 ¹⁾ ; 4AU: 24 ... 690 ¹⁾	I	10/58
SIRIUS 4AP, 4AU autotransformers					
for matching purposes	4AP: 5 ... 22.5; 4AU: 12.5 ... 50	4AP, 4AU: 480 ... 380 4AP, 4AU: 480 ... 400 (380) ²⁾	4AP, 4AU: 400 4AP, 4AU: 230 (220) ²⁾	I	10/60
Power transformers					
SIRIUS 4BU matching transformers with one input voltage	18 ... 180 ³⁾	Δ 400, 400 ± 5 %, 440, 440 ± 5 %, 480, 480 ± 5 %/ Y 400, 400 ± 5 %, 440, 440 ± 5 %, 480, 480 ± 5 %	Y 208, 400	I	10/63
SIRIUS 4BU matching transformers With c <u>UL</u> us approval With one input voltage	18 ... 180 ³⁾	Δ 400, 400 ± 5 %, 440, 440 ± 5 %, 480, 480 ± 5 %/ Y 400, 400 ± 5 %, 440, 440 ± 5 %, 480, 480 ± 5 %	Y 208, 400	I	10/73
SIRIUS 4BU transformers with selectable voltages	18 ... 400	Selectable 100 ... 1000 ¹⁾	Selectable 100 ... 1000 ¹⁾	I	10/83

Voltage regulators

4FL transformer type	3 ... 190	400	400	I	10/85
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Variable-ratio transformers

4CJ toroidal-core variable-ratio transformers	2.07 ... 9.66	400	0 ... 400 stepless	I	4)
4CQ pillar-type variable-ratio transformers	16 ... 240	400	0 ... 400 stepless	I	4)

1) cULus max. 600 V.

2) Operating with 380 V AC three-phase at the input terminals results in an output voltage of 220 V AC three-phase.

3) For other ratings up to 400 kVA see the interactive Catalog CA 01 and Industry Mall.

4) For more information see the interactive Catalog CA 01 and Industry Mall.

Note

	Screw terminals
	Cage Clamp terminals
	Flat connectors
The terminals are indicated in the selection and ordering data by orange backgrounds.	

Transformers

Introduction

Options

Delivery time class DT

The delivery time classes are specified in the selection tables in front of the order numbers.

The standard transport time for Germany is 1 day (see "Explanations" on page 4).

The quoted delivery time class is applicable to an order quantity of up to 5 units.

► Preferred type

This delivery time class applies with the degree of protection IP00, i. e. these units can be supplied immediately from stock¹⁾ and will be dispatched within 24 hours. The transport times depend on the destination and the mode of delivery.

Delivery time class B is applicable to an order quantity of 6 units and more.

Delivery time class A

The ordered units will be dispatched within 2 working days.

Delivery time class B is applicable to an order quantity of 6 units and more.

Delivery time class B

The ordered units will be dispatched within 1 week.

Delivery time class C is applicable to an order quantity of 6 units and more.

Delivery time class C

The ordered units will be dispatched within 3 weeks.

Delivery time class D is applicable to an order quantity of 6 units and more.

Delivery time class D

The ordered units, including enclosure and additional options, will be dispatched within 6 weeks.

Delivery time class X

On request.

Orders for transformers with selectable voltages and magnetic voltage regulators with selectable input and output voltages

Please send your selection by e-mail with the basic Order No. and the required options specified in plain text to:

Anfrage@mdexx.com

In response you will receive the complete Order No. for completing your order.

Ordering transformers in customized versions or with special applications

Inquiries for customized transformers not found in our catalog, for example:

- Toroidal-core transformers
- Associated transformers
- Medium-frequency transformers
- Transformers for converter applications
- Special transformers for rail vehicles
- Special transformers for marine applications and container cranes
- Option: Vibration-resistant, low-noise version (available in enclosure only)
- Special transformers according to EN 60601-1 (VDE 0750) for medical equipment
- High-reactance transformers
- 4CH, 4CP, 4CJ and 4CQ toroidal-core variable-ratio and pillar-type variable-ratio transformers (see the interactive Catalog CA 01 and Industry Mall)
- Transformers for noise-sensitive environments

should be sent by e-mail to:

Anfrage@mdexx.com

or by fax to +49 (0)421/5125 333.

In reply you will receive the complete Order No. which should be quoted in your order.

¹⁾ This is based on commercially available orders – normal order!

More information

More information about transformers, power supplies, fans, reactors and filters can be found on the Internet at

www.siemens.com/sirius-supplying

For products and information on

• Reactors and filters, see Catalog LV 60,
Order No.: E86060-K2803-A101-A5-7600

• For 2CC and 2CQ axial fans, see Catalog LV 65,
Order No.: E86060-K1865-A101-A1-7600

Transformers for converter systems from Siemens can be found in the following catalogs:

Catalog NC 60, SINUMERIK & SIMODRIVE
Order No.: E86060-K4460-A101-B2-7600

Catalog DA 65.10, SIMOVERT MASTERDRIVES Vector Control
Order No.: E86060-K5165-A101-A3-7600

Catalog DA 65.11, SIMOVERT MASTERDRIVES Motion Control
Order No.: E86060-K5165-A111-A3-7600

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

General data

Overview

4AM../4AT.. transformers

With the right transformer, the right voltage will be available at any conditions.

Our transformers are the right choice for each application: They work reliably, safely and worldwide under a wide range of different conditions.

The transformers with selectable input and output voltages are configured in user-friendly combinations as:

- Isolating, control and mains transformers according to EN 61558-2-4, -2-2, -2-1 or
- Safety, control and mains transformers according to EN 61558-2-6, -2-2, -2-1 or
- Autotransformers according to EN 61558-2-13

Note:

Mains transformers with ≤ 50 V on the output side are, in the case of SIRIUS transformers, always designed as safety transformers.

SIRIUS transformers provide optimal protection through high permissible ambient temperatures up to 40 °C or 55 °C, a high short-time rating in the case of control transformers, fuseless construction and due to their safety standard "Safety inside" EN 61558.

Benefits

- High short-time rating of the SIRIUS transformers: lower transformer rated power for a large number of contactors
- Suitable for "fuseless construction": The small inrush current means that "circuit breakers for motor protection" can also be used on the primary side
- c_{UL}us approvals for the USA and Canada: can be used worldwide without any problems
- Comprehensive type spectrum supplied from stock: rapid availability

Application

In industrial machines, process engineering, heating and air-conditioning equipment, etc., for supplying control and signaling circuits, when:

- Several electromagnetic loads (e. g. contactors) have to be controlled
- Control and signaling devices are used outside the control cabinet
- The operational voltage for the loads differs from the available voltage level
- Voltage matching for machines and installations with electrical isolation or as an autotransformer

Generally for voltage matching of electrical devices, e. g. in communications, medical engineering and domestic appliances.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

Overview

- According to EN 61558-2-6, -2-1, -2-2
- c²us**
- $t_a = 40^\circ\text{C}/\text{B}$
- AC 50/60 Hz
- Degree of protection IP00, IP23 and IP54



4AM with screw/flat connectors (left) and with Cage Clamp terminals (right)

Selection and ordering data

With one input voltage

Rated input voltage $U_{1N} 230 \text{ V} \pm 5 \%$,
rated output voltage $U_{2N} 24 \text{ V}$



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{\text{shortt.}}$	DT ²⁾	Screw terminals/ flat connectors		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
Degree of protection IP00, standard version³⁾											
0.063	0.19	►	4AM32 42-4TN00-0EA0		0.240	1.400	B	4AM32 42-4TN00-0EA1		0.240	1.400
0.1	0.31	►	4AM34 42-4TN00-0EA0		0.260	2.000	B	4AM34 42-4TN00-0EA1		0.260	2.000
0.16	0.49	►	4AM38 42-4TN00-0EA0		0.320	2.700	B	4AM38 42-4TN00-0EA1		0.320	2.700
0.25	0.85	►	4AM40 42-4TN00-0EA0		0.590	3.700	B	4AM40 42-4TN00-0EA1		0.590	3.700
0.315	1.12	►	4AM43 42-4TN00-0EA0		0.670	4.500	B	4AM43 42-4TN00-0EA1		0.670	4.500
0.4	1.44	►	4AM46 42-4TN00-0EA0		1.100	5.400	B	4AM46 42-4TN00-0EA1		1.100	5.400
0.5	2	►	4AM48 42-4TN00-0EA0		1.100	7.000	B	4AM48 42-4TN00-0EA1		1.100	7.000
0.63	2.35	►	4AM52 42-4TN00-0EA0		1.700	7.900	--				
0.8	3.4	►	4AM55 42-4TN00-0EA0		1.900	11.000	--				
1	5	►	4AM57 42-4TN00-0EA0		2.000	14.000	--				
Degree of protection IP00, standard rail mounting³⁾											
0.063	0.19	►	4AM32 42-4TN00-0EA0		0.240	1.400	B	4AM32 42-4TN00-0EA1		0.240	1.400
0.1	0.31	►	4AM34 42-4TN00-0EA0		0.260	2.000	B	4AM34 42-4TN00-0EA1		0.260	2.000
0.16	0.49	►	4AM38 42-4TN00-0EA0		0.320	2.700	B	4AM38 42-4TN00-0EA1		0.320	2.700
0.25	0.85	►	4AM40 42-4TN00-0EA0		0.590	3.700	B	4AM40 42-4TN00-0EA1		0.590	3.700
0.315	1.12	B	4AM43 42-4TN00-0EB0		0.670	4.500	B	4AM43 42-4TN00-0EB1		0.670	4.500
0.4	1.44	B	4AM46 42-4TN00-0EB0		1.100	5.400	B	4AM46 42-4TN00-0EB1		1.100	5.400
0.5	2	B	4AM48 42-4TN00-0EB0		1.100	7.000	B	4AM48 42-4TN00-0EB1		1.100	7.000
Degree of protection IP23											
0.057	0.19	B	4AM32 42-4TN00-0EC0		0.240	2.700	B	4AM32 42-4TN00-0EC1		0.240	2.700
0.09	0.31	B	4AM34 42-4TN00-0EC0		0.260	3.300	B	4AM34 42-4TN00-0EC1		0.260	3.300
0.145	0.49	B	4AM38 42-4TN00-0EC0		0.320	5.600	B	4AM38 42-4TN00-0EC1		0.320	5.600
0.225	0.85	B	4AM40 42-4TN00-0EC0		0.590	6.600	B	4AM40 42-4TN00-0EC1		0.590	6.600
0.268	1.12	B	4AM43 42-4TN00-0EC0		0.670	7.400	B	4AM43 42-4TN00-0EC1		0.670	7.400
0.34	1.44	B	4AM46 42-4TN00-0EC0		1.100	8.300	B	4AM46 42-4TN00-0EC1		1.100	8.300
0.425	2	B	4AM48 42-4TN00-0EC0		1.100	9.900	B	4AM48 42-4TN00-0EC1		1.100	9.900
0.535	2.35	B	4AM52 42-4TN00-0EC0		1.820	10.800	--				
0.68	3.4	B	4AM55 42-4TN00-0EC0		1.900	13.900	--				
0.85	5	B	4AM57 42-4TN00-0EC0		2.000	16.900	--				
Degree of protection IP54											
0.05	0.19	B	4AM32 42-4TN00-0ED0		0.240	2.700	B	4AM32 42-4TN00-0ED1		0.240	2.700
0.08	0.31	B	4AM34 42-4TN00-0ED0		0.260	3.300	B	4AM34 42-4TN00-0ED1		0.260	3.300
0.128	0.49	B	4AM38 42-4TN00-0ED0		0.320	5.600	B	4AM38 42-4TN00-0ED1		0.320	5.600
0.2	0.85	B	4AM40 42-4TN00-0ED0		0.590	6.600	B	4AM40 42-4TN00-0ED1		0.590	6.600
0.236	1.12	B	4AM43 42-4TN00-0ED0		0.670	7.400	B	4AM43 42-4TN00-0ED1		0.670	7.400
0.3	1.44	B	4AM46 42-4TN00-0ED0		1.100	8.300	B	4AM46 42-4TN00-0ED1		1.100	8.300
0.375	2	B	4AM48 42-4TN00-0ED0		1.100	9.900	B	4AM48 42-4TN00-0ED1		1.100	9.900
0.475	2.35	B	4AM52 42-4TN00-0ED0		1.700	10.800	--				
0.6	3.4	B	4AM55 42-4TN00-0ED0		1.900	13.900	--				
0.75	5	B	4AM57 42-4TN00-0ED0		2.000	16.900	--				

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

* You can order this quantity or a multiple thereof.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

With one input voltage

**Rated input voltage U_{1N} 230 V ± 5 %,
rated output voltage U_{2N} 42 V**

C  US,   

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	Short-time rating $P_{shortt.}$ kVA	DT ²⁾	Screw terminals/ flat connectors		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
Degree of protection IP00, standard version³⁾											
0.063	0.19	►	4AM32 42-4TV00-0EA0		0.240	1.400	B	4AM32 42-4TV00-0EA1		0.270	1.400
0.1	0.31	►	4AM34 42-4TV00-0EA0		0.260	2.000	B	4AM34 42-4TV00-0EA1		0.260	2.000
0.16	0.49	►	4AM38 42-4TV00-0EA0		0.320	2.700	B	4AM38 42-4TV00-0EA1		0.320	2.700
0.25	0.85	►	4AM40 42-4TV00-0EA0		0.590	3.700	B	4AM40 42-4TV00-0EA1		0.590	3.700
0.315	1.12	B	4AM43 42-4TV00-0EA0		0.670	4.500	B	4AM43 42-4TV00-0EA1		0.670	4.500
0.4	1.44	B	4AM46 42-4TV00-0EA0		1.100	5.400	B	4AM46 42-4TV00-0EA1		1.100	5.400
0.5	2	B	4AM48 42-4TV00-0EA0		1.100	7.000	B	4AM48 42-4TV00-0EA1		1.100	7.000
0.63	2.35	B	4AM52 42-4TV00-0EA0		1.700	7.900	--				
0.8	3.4	B	4AM55 42-4TV00-0EA0		1.900	11.000	--				
1	5	B	4AM57 42-4TV00-0EA0		2.000	14.000	--				
Degree of protection IP00, standard rail mounting³⁾											
0.063	0.19	►	4AM32 42-4TV00-0EA0		0.240	1.400	B	4AM32 42-4TV00-0EA1		0.270	1.400
0.1	0.31	►	4AM34 42-4TV00-0EA0		0.260	2.000	B	4AM34 42-4TV00-0EA1		0.260	2.000
0.16	0.49	►	4AM38 42-4TV00-0EA0		0.320	2.700	B	4AM38 42-4TV00-0EA1		0.320	2.700
0.25	0.85	►	4AM40 42-4TV00-0EA0		0.590	3.700	B	4AM40 42-4TV00-0EA1		0.590	3.700
0.315	1.12	B	4AM43 42-4TV00-0EB0		0.670	4.500	B	4AM43 42-4TV00-0EB1		0.670	4.500
0.4	1.44	B	4AM46 42-4TV00-0EB0		1.100	5.400	B	4AM46 42-4TV00-0EB1		1.100	5.400
0.5	2	B	4AM48 42-4TV00-0EB0		1.100	7.000	B	4AM48 42-4TV00-0EB1		1.100	7.000
Degree of protection IP23											
0.057	0.19	B	4AM32 42-4TV00-0EC0		0.240	2.700	B	4AM32 42-4TV00-0EC1		0.240	2.700
0.09	0.31	B	4AM34 42-4TV00-0EC0		0.260	3.300	B	4AM34 42-4TV00-0EC1		0.260	3.300
0.145	0.49	B	4AM38 42-4TV00-0EC0		0.320	5.600	B	4AM38 42-4TV00-0EC1		0.320	5.600
0.225	0.85	B	4AM40 42-4TV00-0EC0		0.590	6.600	B	4AM40 42-4TV00-0EC1		0.590	6.600
0.268	1.12	B	4AM43 42-4TV00-0EC0		0.670	7.400	B	4AM43 42-4TV00-0EC1		0.670	7.400
0.34	1.44	B	4AM46 42-4TV00-0EC0		1.100	8.300	B	4AM46 42-4TV00-0EC1		1.100	8.300
0.425	2	B	4AM48 42-4TV00-0EC0		1.100	9.900	B	4AM48 42-4TV00-0EC1		1.100	9.900
0.535	2.35	B	4AM52 42-4TV00-0EC0		1.700	10.800	--				
0.68	3.4	B	4AM55 42-4TV00-0EC0		1.900	13.900	--				
0.85	5	B	4AM57 42-4TV00-0EC0		2.000	16.900	--				
Degree of protection IP54											
0.05	0.19	B	4AM32 42-4TV00-0ED0		0.240	2.700	B	4AM32 42-4TV00-0ED1		0.240	2.700
0.08	0.31	B	4AM34 42-4TV00-0ED0		0.260	3.300	B	4AM34 42-4TV00-0ED1		0.260	3.300
0.128	0.49	B	4AM38 42-4TV00-0ED0		0.320	5.600	B	4AM38 42-4TV00-0ED1		0.320	5.600
0.2	0.85	B	4AM40 42-4TV00-0ED0		0.590	6.600	B	4AM40 42-4TV00-0ED1		0.590	6.600
0.236	1.12	B	4AM43 42-4TV00-0ED0		0.670	7.400	B	4AM43 42-4TV00-0ED1		0.670	7.400
0.3	1.44	B	4AM46 42-4TV00-0ED0		1.100	8.300	B	4AM46 42-4TV00-0ED1		1.100	8.300
0.375	2	B	4AM48 42-4TV00-0ED0		1.100	9.900	B	4AM48 42-4TV00-0ED1		1.100	9.900
0.475	2.35	B	4AM52 42-4TV00-0ED0		1.700	10.800	--				
0.6	3.4	B	4AM55 42-4TV00-0ED0		1.900	13.900	--				
0.75	5	B	4AM57 42-4TV00-0ED0		2.000	16.900	--				

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

With one input voltage

Rated input voltage U_{1N} 400 V ± 5 %,
rated output voltage U_{2N} 24 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$ ¹⁾	DT ²⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version³⁾													
0.063	0.19	►	4AM32 42-5AN00-0EA0	0.240	1.400	►	4AM32 42-5AN00-0EA1	0.240	1.400				
0.1	0.31	►	4AM34 42-5AN00-0EA0	0.260	2.000	B	4AM34 42-5AN00-0EA1	0.260	2.000				
0.16	0.49	►	4AM38 42-5AN00-0EA0	0.320	2.700	B	4AM38 42-5AN00-0EA1	0.320	2.700				
0.25	0.85	►	4AM40 42-5AN00-0EA0	0.590	3.700	B	4AM40 42-5AN00-0EA1	0.590	3.700				
0.315	1.12	►	4AM43 42-5AN00-0EA0	0.670	4.500	B	4AM43 42-5AN00-0EA1	0.670	4.500				
0.4	1.44	►	4AM46 42-5AN00-0EA0	1.100	5.400	B	4AM46 42-5AN00-0EA1	1.100	5.400				
0.5	2	►	4AM48 42-5AN00-0EA0	1.100	7.000	B	4AM48 42-5AN00-0EA1	1.100	7.000				
0.63	2.35	►	4AM52 42-5AN00-0EA0	1.700	7.900	--							
0.8	3.4	►	4AM55 42-5AN00-0EA0	1.900	11.000	--							
1	5	►	4AM57 42-5AN00-0EA0	2.000	14.000	--							
Degree of protection IP00, standard rail mounting³⁾													
0.063	0.19	►	4AM32 42-5AN00-0EA0	0.240	1.400	►	4AM32 42-5AN00-0EA1	0.240	1.400				
0.1	0.31	►	4AM34 42-5AN00-0EA0	0.260	2.000	B	4AM34 42-5AN00-0EA1	0.260	2.000				
0.16	0.49	►	4AM38 42-5AN00-0EA0	0.320	2.700	B	4AM38 42-5AN00-0EA1	0.320	2.700				
0.25	0.85	►	4AM40 42-5AN00-0EA0	0.590	3.700	B	4AM40 42-5AN00-0EA1	0.590	3.700				
0.315	1.12	B	4AM43 42-5AN00-0EB0	0.670	4.500	B	4AM43 42-5AN00-0EB1	0.670	4.500				
0.4	1.44	B	4AM46 42-5AN00-0EB0	1.100	5.400	B	4AM46 42-5AN00-0EB1	1.100	5.400				
0.5	2	B	4AM48 42-5AN00-0EB0	1.100	7.000	B	4AM48 42-5AN00-0EB1	1.100	7.000				
Degree of protection IP23													
0.057	0.19	B	4AM32 42-5AN00-0EC0	0.240	2.700	B	4AM32 42-5AN00-0EC1	0.240	2.700				
0.09	0.31	B	4AM34 42-5AN00-0EC0	0.260	3.300	B	4AM34 42-5AN00-0EC1	0.260	3.300				
0.145	0.49	B	4AM38 42-5AN00-0EC0	0.320	5.600	B	4AM38 42-5AN00-0EC1	0.320	5.600				
0.225	0.85	B	4AM40 42-5AN00-0EC0	0.590	6.600	B	4AM40 42-5AN00-0EC1	0.590	6.600				
0.268	1.12	B	4AM43 42-5AN00-0EC0	0.670	7.400	B	4AM43 42-5AN00-0EC1	0.670	7.400				
0.34	1.44	B	4AM46 42-5AN00-0EC0	1.100	8.300	B	4AM46 42-5AN00-0EC1	1.100	8.300				
0.425	2	B	4AM48 42-5AN00-0EC0	1.100	9.900	B	4AM48 42-5AN00-0EC1	1.100	9.900				
0.535	2.35	B	4AM52 42-5AN00-0EC0	1.700	10.800	--							
0.68	3.4	B	4AM55 42-5AN00-0EC0	1.900	13.900	--							
0.85	5	B	4AM57 42-5AN00-0EC0	2.000	16.900	--							
Degree of protection IP54													
0.05	0.19	B	4AM32 42-5AN00-0ED0	0.240	2.700	B	4AM32 42-5AN00-0ED1	0.240	2.700				
0.08	0.31	B	4AM34 42-5AN00-0ED0	0.260	3.300	B	4AM34 42-5AN00-0ED1	0.260	3.300				
0.128	0.49	B	4AM38 42-5AN00-0ED0	0.320	5.600	B	4AM38 42-5AN00-0ED1	0.320	5.600				
0.2	0.85	B	4AM40 42-5AN00-0ED0	0.590	6.600	B	4AM40 42-5AN00-0ED1	0.590	6.600				
0.236	1.12	B	4AM43 42-5AN00-0ED0	0.670	7.400	B	4AM43 42-5AN00-0ED1	0.670	7.400				
0.3	1.44	B	4AM46 42-5AN00-0ED0	1.100	8.300	B	4AM46 42-5AN00-0ED1	1.100	8.300				
0.375	2	B	4AM48 42-5AN00-0ED0	1.100	9.900	B	4AM48 42-5AN00-0ED1	1.100	9.900				
0.475	2.35	B	4AM52 42-5AN00-0ED0	1.700	10.800	--							
0.6	3.4	B	4AM55 42-5AN00-0ED0	1.900	13.900	--							
0.75	5	B	4AM57 42-5AN00-0ED0	2.000	16.900	--							

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

With one input voltage

Rated input voltage U_{1N} 400 V ± 5 %,
rated output voltage U_{2N} 42 V

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$ ¹⁾	DT ²⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version³⁾													
0.063	0.19	►	4AM32 42-5AV00-0EA0		0.240	1.400	B	4AM32 42-5AV00-0EA1				0.240	1.400
0.1	0.31	►	4AM34 42-5AV00-0EA0		0.260	2.000	B	4AM34 42-5AV00-0EA1				0.260	2.000
0.16	0.49	►	4AM38 42-5AV00-0EA0		0.320	2.700	B	4AM38 42-5AV00-0EA1				0.320	2.700
0.25	0.85	►	4AM40 42-5AV00-0EA0		0.590	3.700	B	4AM40 42-5AV00-0EA1				0.590	3.700
0.315	1.12	B	4AM43 42-5AV00-0EA0		0.670	4.500	B	4AM43 42-5AV00-0EA1				0.670	4.500
0.4	1.44	B	4AM46 42-5AV00-0EA0		1.100	5.400	B	4AM46 42-5AV00-0EA1				1.100	5.400
0.5	2	B	4AM48 42-5AV00-0EA0		1.100	7.000	B	4AM48 42-5AV00-0EA1				1.100	7.000
0.63	2.35	B	4AM52 42-5AV00-0EA0		1.700	7.900	--						
0.8	3.4	B	4AM55 42-5AV00-0EA0		1.900	11.000	--						
1	5	B	4AM57 42-5AV00-0EA0		2.000	14.000	--						
Degree of protection IP00, standard rail mounting³⁾													
0.063	0.19	►	4AM32 42-5AV00-0EA0		0.240	1.400	B	4AM32 42-5AV00-0EA1				0.240	1.400
0.1	0.31	►	4AM34 42-5AV00-0EA0		0.260	2.000	B	4AM34 42-5AV00-0EA1				0.260	2.000
0.16	0.49	►	4AM38 42-5AV00-0EA0		0.320	2.700	B	4AM38 42-5AV00-0EA1				0.320	2.700
0.25	0.85	►	4AM40 42-5AV00-0EA0		0.590	3.700	B	4AM40 42-5AV00-0EA1				0.590	3.700
0.315	1.12	B	4AM43 42-5AV00-0EB0		0.670	4.500	B	4AM43 42-5AV00-0EB1				0.670	4.500
0.4	1.44	B	4AM46 42-5AV00-0EB0		1.100	5.400	B	4AM46 42-5AV00-0EB1				1.100	5.400
0.5	2	B	4AM48 42-5AV00-0EB0		1.100	7.000	B	4AM48 42-5AV00-0EB1				1.100	7.000
Degree of protection IP23													
0.057	0.19	B	4AM32 42-5AV00-0EC0		0.240	2.700	B	4AM32 42-5AV00-0EC1				0.240	2.700
0.09	0.31	B	4AM34 42-5AV00-0EC0		0.260	3.300	B	4AM34 42-5AV00-0EC1				0.260	3.300
0.145	0.49	B	4AM38 42-5AV00-0EC0		0.320	5.600	B	4AM38 42-5AV00-0EC1				0.320	5.600
0.225	0.85	B	4AM40 42-5AV00-0EC0		0.590	6.600	B	4AM40 42-5AV00-0EC1				0.590	6.600
0.268	1.12	B	4AM43 42-5AV00-0EC0		0.670	7.400	B	4AM43 42-5AV00-0EC1				0.670	7.400
0.34	1.44	B	4AM46 42-5AV00-0EC0		1.100	8.300	B	4AM46 42-5AV00-0EC1				1.100	8.300
0.425	2	B	4AM48 42-5AV00-0EC0		1.100	9.900	B	4AM48 42-5AV00-0EC1				1.100	9.900
0.535	2.35	B	4AM52 42-5AV00-0EC0		1.700	10.800	--						
0.68	3.4	B	4AM55 42-5AV00-0EC0		1.900	13.900	--						
0.85	5	B	4AM57 42-5AV00-0EC0		2.000	16.900	--						
Degree of protection IP54													
0.05	0.19	B	4AM32 42-5AV00-0ED0		0.240	2.700	B	4AM32 42-5AV00-0ED1				0.240	2.700
0.08	0.31	B	4AM34 42-5AV00-0ED0		0.260	3.300	B	4AM34 42-5AV00-0ED1				0.260	3.300
0.128	0.49	B	4AM38 42-5AV00-0ED0		0.320	5.600	B	4AM38 42-5AV00-0ED1				0.320	5.600
0.2	0.85	B	4AM40 42-5AV00-0ED0		0.590	6.600	B	4AM40 42-5AV00-0ED1				0.590	6.600
0.236	1.12	B	4AM43 42-5AV00-0ED0		0.670	7.400	B	4AM43 42-5AV00-0ED1				0.670	7.400
0.3	1.44	B	4AM46 42-5AV00-0ED0		1.100	8.300	B	4AM46 42-5AV00-0ED1				1.100	8.300
0.375	2	B	4AM48 42-5AV00-0ED0		1.100	9.900	B	4AM48 42-5AV00-0ED1				1.100	9.900
0.475	2.35	B	4AM52 42-5AV00-0ED0		1.700	10.800	--						
0.6	3.4	B	4AM55 42-5AV00-0ED0		1.900	13.900	--						
0.75	5	B	4AM57 42-5AV00-0ED0		2.000	16.900	--						

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

With one input voltage

Rated input voltage U_{1N} 440 V ± 5 %,
rated output voltage U_{2N} 24 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	Short-time rating $P_{shortt.}$ kVA	DT ²⁾	Screw terminals/ flat connectors		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
Degree of protection IP00, standard version³⁾											
0.063	0.19	B	4AM32 42-5CN00-0EA0	0.240	1.400	B	4AM32 42-5CN00-0EA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5CN00-0EA0	0.260	2.000	B	4AM34 42-5CN00-0EA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5CN00-0EA0	0.320	2.700	B	4AM38 42-5CN00-0EA1	0.370	2.700		
0.25	0.85	B	4AM40 42-5CN00-0EA0	0.590	3.700	B	4AM40 42-5CN00-0EA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5CN00-0EA0	0.690	4.500	B	4AM43 42-5CN00-0EA1	0.670	4.500		
0.4	1.44	B	4AM46 42-5CN00-0EA0	1.100	5.400	B	4AM46 42-5CN00-0EA1	1.100	5.400		
0.5	2	B	4AM48 42-5CN00-0EA0	1.100	7.000	B	4AM48 42-5CN00-0EA1	1.100	7.000		
0.63	2.35	B	4AM52 42-5CN00-0EA0	1.700	7.900	--					
0.8	3.4	B	4AM55 42-5CN00-0EA0	1.900	11.000	--					
1	5	B	4AM57 42-5CN00-0EA0	2.000	14.000	--					
Degree of protection IP00, standard rail mounting³⁾											
0.063	0.19	B	4AM32 42-5CN00-0EA0	0.240	1.400	B	4AM32 42-5CN00-0EA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5CN00-0EA0	0.260	2.000	B	4AM34 42-5CN00-0EA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5CN00-0EA0	0.320	2.700	B	4AM38 42-5CN00-0EA1	0.370	2.700		
0.25	0.85	B	4AM40 42-5CN00-0EA0	0.590	3.700	B	4AM40 42-5CN00-0EA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5CN00-0EB0	0.670	4.500	B	4AM43 42-5CN00-0EB1	0.670	4.500		
0.4	1.44	B	4AM46 42-5CN00-0EB0	1.100	5.400	B	4AM46 42-5CN00-0EB1	1.100	5.400		
0.5	2	B	4AM48 42-5CN00-0EB0	1.100	7.000	B	4AM48 42-5CN00-0EB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-5CN00-0EC0	0.240	2.700	B	4AM32 42-5CN00-0EC1	0.240	2.700		
0.09	0.31	B	4AM34 42-5CN00-0EC0	0.260	3.300	B	4AM34 42-5CN00-0EC1	0.260	3.300		
0.145	0.49	B	4AM38 42-5CN00-0EC0	0.320	5.600	B	4AM38 42-5CN00-0EC1	0.320	5.600		
0.225	0.85	B	4AM40 42-5CN00-0EC0	0.590	6.600	B	4AM40 42-5CN00-0EC1	0.590	6.600		
0.268	1.12	B	4AM43 42-5CN00-0EC0	0.670	7.400	B	4AM43 42-5CN00-0EC1	0.670	7.400		
0.34	1.44	B	4AM46 42-5CN00-0EC0	1.100	8.300	B	4AM46 42-5CN00-0EC1	1.100	8.300		
0.425	2	B	4AM48 42-5CN00-0EC0	1.100	9.900	B	4AM48 42-5CN00-0EC1	1.100	9.900		
0.535	2.35	B	4AM52 42-5CN00-0EC0	1.700	10.800	--					
0.68	3.4	B	4AM55 42-5CN00-0EC0	1.900	13.900	--					
0.85	5	B	4AM57 42-5CN00-0EC0	2.000	16.900	--					
Degree of protection IP54											
0.05	0.19	B	4AM32 42-5CN00-0ED0	0.240	2.700	B	4AM32 42-5CN00-0ED1	0.240	2.700		
0.08	0.31	B	4AM34 42-5CN00-0ED0	0.260	3.300	B	4AM34 42-5CN00-0ED1	0.260	3.300		
0.128	0.49	B	4AM38 42-5CN00-0ED0	0.320	5.600	B	4AM38 42-5CN00-0ED1	0.320	5.600		
0.2	0.85	B	4AM40 42-5CN00-0ED0	0.590	6.600	B	4AM40 42-5CN00-0ED1	0.590	6.600		
0.236	1.12	B	4AM43 42-5CN00-0ED0	0.670	7.400	B	4AM43 42-5CN00-0ED1	0.670	7.400		
0.3	1.44	B	4AM46 42-5CN00-0ED0	1.100	8.300	B	4AM46 42-5CN00-0ED1	1.100	8.300		
0.375	2	B	4AM48 42-5CN00-0ED0	1.100	9.900	B	4AM48 42-5CN00-0ED1	1.100	9.900		
0.475	2.35	B	4AM52 42-5CN00-0ED0	1.700	10.800	--					
0.6	3.4	B	4AM55 42-5CN00-0ED0	1.900	13.900	--					
0.75	5	B	4AM57 42-5CN00-0ED0	2.000	16.900	--					

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

With one input voltage

Rated input voltage U_{1N} 440 V ± 5 %,
rated output voltage U_{2N} 42 V

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$ ¹⁾	DT ²⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version³⁾													
0.063	0.19	B	4AM32 42-5CV00-0EA0	0.240	1.400	B	4AM32 42-5CV00-0EA1	0.240	1.400				
0.1	0.31	B	4AM34 42-5CV00-0EA0	0.260	2.000	B	4AM34 42-5CV00-0EA1	0.260	2.000				
0.16	0.49	B	4AM38 42-5CV00-0EA0	0.320	2.700	B	4AM38 42-5CV00-0EA1	0.320	2.700				
0.25	0.85	B	4AM40 42-5CV00-0EA0	0.590	3.700	B	4AM40 42-5CV00-0EA1	0.590	3.700				
0.315	1.12	B	4AM43 42-5CV00-0EA0	0.740	4.500	B	4AM43 42-5CV00-0EA1	0.670	4.500				
0.4	1.44	B	4AM46 42-5CV00-0EA0	1.100	5.400	B	4AM46 42-5CV00-0EA1	1.100	5.400				
0.5	2	B	4AM48 42-5CV00-0EA0	1.100	7.000	B	4AM48 42-5CV00-0EA1	1.100	7.000				
0.63	2.35	B	4AM52 42-5CV00-0EA0	1.700	7.900	--							
0.8	3.4	B	4AM55 42-5CV00-0EA0	1.900	11.000	--							
1	5	B	4AM57 42-5CV00-0EA0	2.000	14.000	--							
Degree of protection IP00, standard rail mounting³⁾													
0.063	0.19	B	4AM32 42-5CV00-0EA0	0.240	1.400	B	4AM32 42-5CV00-0EA1	0.240	1.400				
0.1	0.31	B	4AM34 42-5CV00-0EA0	0.260	2.000	B	4AM34 42-5CV00-0EA1	0.260	2.000				
0.16	0.49	B	4AM38 42-5CV00-0EA0	0.320	2.700	B	4AM38 42-5CV00-0EA1	0.320	2.700				
0.25	0.85	B	4AM40 42-5CV00-0EA0	0.590	3.700	B	4AM40 42-5CV00-0EA1	0.590	3.700				
0.315	1.12	B	4AM43 42-5CV00-0EB0	0.670	4.500	B	4AM43 42-5CV00-0EB1	0.670	4.500				
0.4	1.44	B	4AM46 42-5CV00-0EB0	1.100	5.400	B	4AM46 42-5CV00-0EB1	1.100	5.400				
0.5	2	B	4AM48 42-5CV00-0EB0	1.100	7.000	B	4AM48 42-5CV00-0EB1	1.100	7.000				
Degree of protection IP23													
0.057	0.19	B	4AM32 42-5CV00-0EC0	0.240	2.700	B	4AM32 42-5CV00-0EC1	0.240	2.700				
0.09	0.31	B	4AM34 42-5CV00-0EC0	0.260	3.300	B	4AM34 42-5CV00-0EC1	0.260	3.300				
0.145	0.49	B	4AM38 42-5CV00-0EC0	0.320	5.600	B	4AM38 42-5CV00-0EC1	0.320	5.600				
0.225	0.85	B	4AM40 42-5CV00-0EC0	0.590	6.600	B	4AM40 42-5CV00-0EC1	0.590	6.600				
0.268	1.12	B	4AM43 42-5CV00-0EC0	0.670	7.400	B	4AM43 42-5CV00-0EC1	0.670	7.400				
0.34	1.44	B	4AM46 42-5CV00-0EC0	1.100	8.300	B	4AM46 42-5CV00-0EC1	1.100	8.300				
0.425	2	B	4AM48 42-5CV00-0EC0	1.100	9.900	B	4AM48 42-5CV00-0EC1	1.100	9.900				
0.535	2.35	B	4AM52 42-5CV00-0EC0	1.700	10.800	--							
0.68	3.4	B	4AM55 42-5CV00-0EC0	1.900	13.900	--							
0.85	5	B	4AM57 42-5CV00-0EC0	2.000	16.900	--							
Degree of protection IP54													
0.05	0.19	B	4AM32 42-5CV00-0ED0	0.240	2.700	B	4AM32 42-5CV00-0ED1	0.240	2.700				
0.08	0.31	B	4AM34 42-5CV00-0ED0	0.260	3.300	B	4AM34 42-5CV00-0ED1	0.260	3.300				
0.128	0.49	B	4AM38 42-5CV00-0ED0	0.320	5.600	B	4AM38 42-5CV00-0ED1	0.320	5.600				
0.2	0.85	B	4AM40 42-5CV00-0ED0	0.590	6.600	B	4AM40 42-5CV00-0ED1	0.590	6.600				
0.236	1.12	B	4AM43 42-5CV00-0ED0	0.670	7.400	B	4AM43 42-5CV00-0ED1	0.670	7.400				
0.3	1.44	B	4AM46 42-5CV00-0ED0	1.100	8.300	B	4AM46 42-5CV00-0ED1	1.100	8.300				
0.375	2	B	4AM48 42-5CV00-0ED0	1.100	9.900	B	4AM48 42-5CV00-0ED1	1.100	9.900				
0.475	2.35	B	4AM52 42-5CV00-0ED0	1.700	10.800	--							
0.6	3.4	B	4AM55 42-5CV00-0ED0	1.900	13.900	--							
0.75	5	B	4AM57 42-5CV00-0ED0	2.000	16.900	--							

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

With one input voltage

Rated input voltage U_{1N} 500 V ± 5 %,
rated output voltage U_{2N} 24 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt. 1)}$	DT ²⁾	Screw terminals/ flat connectors		Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA				kg	kg				kg	kg
Degree of protection IP00, standard version³⁾											
0.063	0.19	B	4AM32 42-5FN00-0EA0	0.240	1.400	B	4AM32 42-5FN00-0EA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5FN00-0EA0	0.260	2.000	B	4AM34 42-5FN00-0EA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5FN00-0EA0	0.320	2.700	B	4AM38 42-5FN00-0EA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5FN00-0EA0	0.590	3.700	B	4AM40 42-5FN00-0EA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5FN00-0EA0	0.670	4.500	B	4AM43 42-5FN00-0EA1	0.760	4.500		
0.4	1.44	B	4AM46 42-5FN00-0EA0	1.100	5.400	B	4AM46 42-5FN00-0EA1	1.100	5.400		
0.5	2	B	4AM48 42-5FN00-0EA0	1.100	7.000	B	4AM48 42-5FN00-0EA1	1.100	7.000		
0.63	2.35	B	4AM52 42-5FN00-0EA0	1.700	7.900	--					
0.8	3.4	B	4AM55 42-5FN00-0EA0	1.900	11.000	--					
1	5	B	4AM57 42-5FN00-0EA0	2.000	14.000	--					
Degree of protection IP00, standard rail mounting³⁾											
0.063	0.19	B	4AM32 42-5FN00-0EA0	0.240	1.400	B	4AM32 42-5FN00-0EA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5FN00-0EA0	0.260	2.000	B	4AM34 42-5FN00-0EA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5FN00-0EA0	0.320	2.700	B	4AM38 42-5FN00-0EA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5FN00-0EA0	0.590	3.700	B	4AM40 42-5FN00-0EA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5FN00-0EB0	0.670	4.500	B	4AM43 42-5FN00-0EB1	0.670	4.500		
0.4	1.44	B	4AM46 42-5FN00-0EB0	1.100	5.400	B	4AM46 42-5FN00-0EB1	1.100	5.400		
0.5	2	B	4AM48 42-5FN00-0EB0	1.100	7.000	B	4AM48 42-5FN00-0EB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-5FN00-0EC0	0.240	2.700	B	4AM32 42-5FN00-0EC1	0.240	2.700		
0.09	0.31	B	4AM34 42-5FN00-0EC0	0.260	3.300	B	4AM34 42-5FN00-0EC1	0.260	3.300		
0.145	0.49	B	4AM38 42-5FN00-0EC0	0.320	5.600	B	4AM38 42-5FN00-0EC1	0.320	5.600		
0.225	0.85	B	4AM40 42-5FN00-0EC0	0.590	6.600	B	4AM40 42-5FN00-0EC1	0.590	6.600		
0.268	1.12	B	4AM43 42-5FN00-0EC0	0.670	7.400	B	4AM43 42-5FN00-0EC1	0.670	7.400		
0.34	1.44	B	4AM46 42-5FN00-0EC0	1.100	8.300	B	4AM46 42-5FN00-0EC1	1.100	8.300		
0.425	2	B	4AM48 42-5FN00-0EC0	1.100	9.900	B	4AM48 42-5FN00-0EC1	1.100	9.900		
0.535	2.35	B	4AM52 42-5FN00-0EC0	1.700	10.800	--					
0.68	3.4	B	4AM55 42-5FN00-0EC0	1.900	13.900	--					
0.85	5	B	4AM57 42-5FN00-0EC0	2.000	16.900	--					
Degree of protection IP54											
0.05	0.19	B	4AM32 42-5FN00-0ED0	0.240	2.700	B	4AM32 42-5FN00-0ED1	0.240	2.700		
0.08	0.31	B	4AM34 42-5FN00-0ED0	0.260	3.300	B	4AM34 42-5FN00-0ED1	0.260	3.300		
0.128	0.49	B	4AM38 42-5FN00-0ED0	0.320	5.600	B	4AM38 42-5FN00-0ED1	0.320	5.600		
0.2	0.85	B	4AM40 42-5FN00-0ED0	0.590	6.600	B	4AM40 42-5FN00-0ED1	0.590	6.600		
0.236	1.12	B	4AM43 42-5FN00-0ED0	0.670	7.400	B	4AM43 42-5FN00-0ED1	0.670	7.400		
0.3	1.44	B	4AM46 42-5FN00-0ED0	1.100	8.300	B	4AM46 42-5FN00-0ED1	1.100	8.300		
0.375	2	B	4AM48 42-5FN00-0ED0	1.100	9.900	B	4AM48 42-5FN00-0ED1	1.100	9.900		
0.475	2.35	B	4AM52 42-5FN00-0ED0	1.700	10.800	--					
0.6	3.4	B	4AM55 42-5FN00-0ED0	1.900	13.900	--					
0.75	5	B	4AM57 42-5FN00-0ED0	2.000	16.900	--					

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

With one input voltage

Rated input voltage U_{1N} 500 V ± 5 %,
rated output voltage U_{2N} 42 V

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$ ¹⁾	DT ²⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version³⁾													
0.063	0.19	B	4AM32 42-5FV00-0EA0		0.240	1.400	B	4AM32 42-5FV00-0EA1				0.240	1.400
0.1	0.31	B	4AM34 42-5FV00-0EA0		0.260	2.000	B	4AM34 42-5FV00-0EA1				0.260	2.000
0.16	0.49	B	4AM38 42-5FV00-0EA0		0.320	2.700	B	4AM38 42-5FV00-0EA1				0.320	2.700
0.25	0.85	B	4AM40 42-5FV00-0EA0		0.590	3.700	B	4AM40 42-5FV00-0EA1				0.590	3.700
0.315	1.12	B	4AM43 42-5FV00-0EA0		0.750	4.500	B	4AM43 42-5FV00-0EA1				0.670	4.500
0.4	1.44	B	4AM46 42-5FV00-0EA0		1.100	5.400	B	4AM46 42-5FV00-0EA1				1.100	5.400
0.5	2	B	4AM48 42-5FV00-0EA0		1.100	7.000	B	4AM48 42-5FV00-0EA1				1.100	7.000
0.63	2.35	B	4AM52 42-5FV00-0EA0		1.700	7.900	--						
0.8	3.4	B	4AM55 42-5FV00-0EA0		1.900	11.000	--						
1	5	B	4AM57 42-5FV00-0EA0		2.000	14.000	--						
Degree of protection IP00, standard rail mounting³⁾													
0.063	0.19	B	4AM32 42-5FV00-0EA0		0.240	1.400	B	4AM32 42-5FV00-0EA1				0.240	1.400
0.1	0.31	B	4AM34 42-5FV00-0EA0		0.260	2.000	B	4AM34 42-5FV00-0EA1				0.260	2.000
0.16	0.49	B	4AM38 42-5FV00-0EA0		0.320	2.700	B	4AM38 42-5FV00-0EA1				0.320	2.700
0.25	0.85	B	4AM40 42-5FV00-0EA0		0.590	3.700	B	4AM40 42-5FV00-0EA1				0.590	3.700
0.315	1.12	B	4AM43 42-5FV00-0EB0		0.670	4.500	B	4AM43 42-5FV00-0EB1				0.670	4.500
0.4	1.44	B	4AM46 42-5FV00-0EB0		1.100	5.400	B	4AM46 42-5FV00-0EB1				1.100	5.400
0.5	2	B	4AM48 42-5FV00-0EB0		1.100	7.000	B	4AM48 42-5FV00-0EB1				1.100	7.000
Degree of protection IP23													
0.057	0.19	B	4AM32 42-5FV00-0EC0		0.240	2.700	B	4AM32 42-5FV00-0EC1				0.240	2.700
0.09	0.31	B	4AM34 42-5FV00-0EC0		0.260	3.300	B	4AM34 42-5FV00-0EC1				0.260	3.300
0.145	0.49	B	4AM38 42-5FV00-0EC0		0.320	5.600	B	4AM38 42-5FV00-0EC1				0.320	5.600
0.225	0.85	B	4AM40 42-5FV00-0EC0		0.590	6.600	B	4AM40 42-5FV00-0EC1				0.590	6.600
0.268	1.12	B	4AM43 42-5FV00-0EC0		0.670	7.400	B	4AM43 42-5FV00-0EC1				0.670	7.400
0.34	1.44	B	4AM46 42-5FV00-0EC0		1.100	8.300	B	4AM46 42-5FV00-0EC1				1.100	8.300
0.425	2	B	4AM48 42-5FV00-0EC0		1.100	9.900	B	4AM48 42-5FV00-0EC1				1.100	9.900
0.535	2.35	B	4AM52 42-5FV00-0EC0		1.700	10.800	--						
0.68	3.4	B	4AM55 42-5FV00-0EC0		1.900	13.900	--						
0.85	5	B	4AM57 42-5FV00-0EC0		2.000	16.900	--						
Degree of protection IP54													
0.05	0.19	B	4AM32 42-5FV00-0ED0		0.240	2.700	B	4AM32 42-5FV00-0ED1				0.240	2.700
0.08	0.31	B	4AM34 42-5FV00-0ED0		0.260	3.300	B	4AM34 42-5FV00-0ED1				0.260	3.300
0.128	0.49	B	4AM38 42-5FV00-0ED0		0.320	5.600	B	4AM38 42-5FV00-0ED1				0.320	5.600
0.2	0.85	B	4AM40 42-5FV00-0ED0		0.590	6.600	B	4AM40 42-5FV00-0ED1				0.590	6.600
0.236	1.12	B	4AM43 42-5FV00-0ED0		0.670	7.400	B	4AM43 42-5FV00-0ED1				0.670	7.400
0.3	1.44	B	4AM46 42-5FV00-0ED0		1.100	8.300	B	4AM46 42-5FV00-0ED1				1.100	8.300
0.375	2	B	4AM48 42-5FV00-0ED0		1.100	9.900	B	4AM48 42-5FV00-0ED1				1.100	9.900
0.475	2.35	B	4AM52 42-5FV00-0ED0		1.700	10.800	--						
0.6	3.4	B	4AM55 42-5FV00-0ED0		1.900	13.900	--						
0.75	5	B	4AM57 42-5FV00-0ED0		2.000	13.400	--						

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

For European voltages

Rated input voltage U_{1N} 400/230 V ±15 V,
rated output voltage U_{2N} 24 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{\text{shortt.}}$ 1)	DT ²⁾	Screw terminals/ flat connectors		Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA				kg	kg				kg	kg
Degree of protection IP00, standard version³⁾											
0.063	0.19	►	4AM32 42-8JN00-0EA0	0.340	1.500	B	4AM32 42-8JN00-0EA1	0.340	1.500		
0.1	0.31	►	4AM34 42-8JN00-0EA0	0.360	2.100	B	4AM34 42-8JN00-0EA1	0.360	2.100		
0.16	0.49	►	4AM38 42-8JN00-0EA0	0.450	2.800	B	4AM38 42-8JN00-0EA1	0.450	2.800		
0.25	0.85	►	4AM40 42-8JN00-0EA0	0.820	3.900	B	4AM40 42-8JN00-0EA1	0.820	3.900		
0.315	1.12	B	4AM43 42-8JN00-0EA0	1.000	4.800	B	4AM43 42-8JN00-0EA1	1.000	4.800		
0.4	1.44	B	4AM46 42-8JN00-0EA0	1.500	5.800	B	4AM46 42-8JN00-0EA1	1.500	5.800		
0.5	2	B	4AM48 42-8JN00-0EA0	1.500	7.400	B	4AM48 42-8JN00-0EA1	1.500	7.400		
0.63	2.35	B	4AM52 42-8JN00-0EA0	2.400	8.600	--					
0.8	3.4	B	4AM55 42-8JN00-0EA0	2.600	12.000	--					
1	5	B	4AM57 42-8JN00-0EA0	2.800	15.000	--					
Degree of protection IP00, standard rail mounting³⁾											
0.063	0.19	►	4AM32 42-8JN00-0EA0	0.340	1.500	B	4AM32 42-8JN00-0EA1	0.340	1.500		
0.1	0.31	►	4AM34 42-8JN00-0EA0	0.360	2.100	B	4AM34 42-8JN00-0EA1	0.360	2.100		
0.16	0.49	►	4AM38 42-8JN00-0EA0	0.450	2.800	B	4AM38 42-8JN00-0EA1	0.450	2.800		
0.25	0.85	►	4AM40 42-8JN00-0EA0	0.820	3.900	B	4AM40 42-8JN00-0EA1	0.820	3.900		
0.315	1.12	B	4AM43 42-8JN00-0EB0	1.000	4.800	B	4AM43 42-8JN00-0EB1	1.000	4.800		
0.4	1.44	B	4AM46 42-8JN00-0EB0	1.500	5.800	B	4AM46 42-8JN00-0EB1	1.500	5.800		
0.5	2	B	4AM48 42-8JN00-0EB0	1.500	7.400	B	4AM48 42-8JN00-0EB1	1.500	7.400		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-8JN00-0EC0	0.340	2.800	B	4AM32 42-8JN00-0EC1	0.340	2.800		
0.09	0.31	B	4AM34 42-8JN00-0EC0	0.360	3.400	B	4AM34 42-8JN00-0EC1	0.360	3.400		
0.145	0.49	B	4AM38 42-8JN00-0EC0	0.450	5.700	B	4AM38 42-8JN00-0EC1	0.450	5.700		
0.225	0.85	B	4AM40 42-8JN00-0EC0	0.820	6.800	B	4AM40 42-8JN00-0EC1	0.820	6.800		
0.268	1.12	B	4AM43 42-8JN00-0EC0	1.000	7.700	B	4AM43 42-8JN00-0EC1	1.000	7.700		
0.34	1.44	B	4AM46 42-8JN00-0EC0	1.500	8.700	B	4AM46 42-8JN00-0EC1	1.500	8.700		
0.425	2	B	4AM48 42-8JN00-0EC0	1.500	10.300	B	4AM48 42-8JN00-0EC1	1.500	10.300		
0.535	2.35	B	4AM52 42-8JN00-0EC0	2.400	11.500	--					
0.68	3.4	B	4AM55 42-8JN00-0EC0	2.600	14.900	--					
0.85	5	B	4AM57 42-8JN00-0EC0	2.800	17.900	--					
Degree of protection IP54											
0.05	0.19	B	4AM32 42-8JN00-0ED0	0.340	2.800	B	4AM32 42-8JN00-0ED1	0.340	2.800		
0.08	0.31	B	4AM34 42-8JN00-0ED0	0.360	3.400	B	4AM34 42-8JN00-0ED1	0.360	3.400		
0.128	0.49	B	4AM38 42-8JN00-0ED0	0.450	5.700	B	4AM38 42-8JN00-0ED1	0.450	5.700		
0.2	0.85	B	4AM40 42-8JN00-0ED0	0.820	6.800	B	4AM40 42-8JN00-0ED1	0.820	6.800		
0.236	1.12	B	4AM43 42-8JN00-0ED0	1.000	7.700	B	4AM43 42-8JN00-0ED1	1.000	7.700		
0.3	1.44	B	4AM46 42-8JN00-0ED0	1.500	8.700	B	4AM46 42-8JN00-0ED1	1.500	8.700		
0.375	2	B	4AM48 42-8JN00-0ED0	1.500	10.300	B	4AM48 42-8JN00-0ED1	1.500	10.300		
0.475	2.35	B	4AM52 42-8JN00-0ED0	2.400	11.500	--					
0.6	3.4	B	4AM55 42-8JN00-0ED0	2.600	14.900	--					
0.75	5	B	4AM57 42-8JN00-0ED0	2.800	17.900	--					

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

For European voltages

**Rated input voltage U_{1N} 400/230 V ±15 V,
rated output voltage U_{2N} 42 V**



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$ ¹⁾	DT ²⁾	Screw terminals/ flat connectors		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU		
Degree of protection IP00, standard version³⁾						
0.063	0.19	B	4AM32 42-8JV00-0EA0		0.340	1.500
0.1	0.31	B	4AM34 42-8JV00-0EA0		0.360	2.100
0.16	0.49	B	4AM38 42-8JV00-0EA0		0.450	2.800
0.25	0.85	B	4AM40 42-8JV00-0EA0		0.820	3.900
0.315	1.12	B	4AM43 42-8JV00-0EA0		1.000	4.800
0.4	1.44	B	4AM46 42-8JV00-0EA0		1.500	5.800
0.5	2	B	4AM48 42-8JV00-0EA0		1.500	7.400
0.63	2.35	B	4AM52 42-8JV00-0EA0		2.400	8.600
0.8	3.4	B	4AM55 42-8JV00-0EA0		2.600	12.000
1	5	B	4AM57 42-8JV00-0EA0		2.800	15.000
Degree of protection IP00, standard rail mounting³⁾						
0.063	0.19	B	4AM32 42-8JV00-0EA0		0.340	1.500
0.1	0.31	B	4AM34 42-8JV00-0EA0		0.360	2.100
0.16	0.49	B	4AM38 42-8JV00-0EA0		0.450	2.800
0.25	0.85	B	4AM40 42-8JV00-0EA0		0.820	3.900
0.315	1.12	B	4AM43 42-8JV00-0EB0		1.000	4.800
0.4	1.44	B	4AM46 42-8JV00-0EB0		1.500	5.800
0.5	2	B	4AM48 42-8JV00-0EB0		1.500	7.400
Degree of protection IP23						
0.057	0.19	B	4AM32 42-8JV00-0EC0		0.340	2.800
0.09	0.31	B	4AM34 42-8JV00-0EC0		0.360	3.400
0.145	0.49	B	4AM38 42-8JV00-0EC0		0.450	5.700
0.225	0.85	B	4AM40 42-8JV00-0EC0		0.820	6.800
0.268	1.12	B	4AM43 42-8JV00-0EC0		1.000	7.700
0.34	1.44	B	4AM46 42-8JV00-0EC0		1.500	8.700
0.425	2	B	4AM48 42-8JV00-0EC0		1.500	10.300
0.535	2.35	B	4AM52 42-8JV00-0EC0		2.400	11.500
0.68	3.4	B	4AM55 42-8JV00-0EC0		2.600	14.900
0.85	5	B	4AM57 42-8JV00-0EC0		2.800	17.900
Degree of protection IP54						
0.05	0.19	B	4AM32 42-8JV00-0ED0		0.340	2.800
0.08	0.31	B	4AM34 42-8JV00-0ED0		0.360	3.400
0.128	0.49	B	4AM38 42-8JV00-0ED0		0.450	5.700
0.2	0.85	B	4AM40 42-8JV00-0ED0		0.820	6.800
0.236	1.12	B	4AM43 42-8JV00-0ED0		1.000	7.700
0.3	1.44	B	4AM46 42-8JV00-0ED0		1.500	8.700
0.375	2	B	4AM48 42-8JV00-0ED0		1.500	10.300
0.475	2.35	B	4AM52 42-8JV00-0ED0		2.400	11.500
0.6	3.4	B	4AM55 42-8JV00-0ED0		2.600	14.900
0.75	5	B	4AM57 42-8JV00-0ED0		2.800	17.900

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

In multi-voltage version

Rated input voltage U_{1N}

550-525-500-480-460-440-415-400-380-230-208 V,

rated output voltage U_{2N} 24 V



PU (UNIT, SET, M) = 1

PS* = 1 unit

PG = 104

Rated power P_n	Short-time rating $P_{shortt.}^{1)}$	DT ²⁾	Screw terminals/ flat connectors	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
kVA	kVA					kg	kg
Degree of protection IP00, standard version³⁾							
0.063	0.19	▶	4AM32 42-8DN00-0EA0			0.340	1.500
0.1	0.31	▶	4AM34 42-8DN00-0EA0			0.360	2.100
0.16	0.49	▶	4AM38 42-8DN00-0EA0			0.450	2.800
0.25	0.85	▶	4AM40 42-8DN00-0EA0			0.820	3.900
0.315	1.12	▶	4AM43 42-8DN00-0EA0			1.000	4.800
0.4	1.44	▶	4AM46 42-8DN00-0EA0			1.500	5.800
0.5	2	▶	4AM48 42-8DN00-0EA0			1.500	7.400
0.63	2.35	▶	4AM52 42-8DN00-0EA0			2.400	8.600
0.8	3.4	B	4AM55 42-8DN00-0EA0			2.600	12.000
1	5	▶	4AM57 42-8DN00-0EA0			2.800	15.000
Degree of protection IP00, standard rail mounting³⁾							
0.063	0.19	▶	4AM32 42-8DN00-0EA0			0.340	1.500
0.1	0.31	▶	4AM34 42-8DN00-0EA0			0.360	2.100
0.16	0.49	▶	4AM38 42-8DN00-0EA0			0.450	2.800
0.25	0.85	▶	4AM40 42-8DN00-0EA0			0.820	3.900
0.315	1.12	B	4AM43 42-8DN00-0EB0			1.000	4.800
0.4	1.44	B	4AM46 42-8DN00-0EB0			1.500	5.800
0.5	2	B	4AM48 42-8DN00-0EB0			1.500	7.400
Degree of protection IP23							
0.057	0.19	B	4AM32 42-8DN00-0EC0			0.340	2.800
0.09	0.31	B	4AM34 42-8DN00-0EC0			0.360	3.400
0.145	0.49	B	4AM38 42-8DN00-0EC0			0.450	5.700
0.225	0.85	B	4AM40 42-8DN00-0EC0			0.820	6.800
0.268	1.12	B	4AM43 42-8DN00-0EC0			1.000	7.700
0.34	1.44	B	4AM46 42-8DN00-0EC0			1.500	8.700
0.425	2	B	4AM48 42-8DN00-0EC0			1.500	10.300
0.535	2.35	B	4AM52 42-8DN00-0EC0			2.400	11.500
0.68	3.4	B	4AM55 42-8DN00-0EC0			2.600	14.900
0.85	5	B	4AM57 42-8DN00-0EC0			2.800	17.900
Degree of protection IP54							
0.05	0.19	B	4AM32 42-8DN00-0ED0			0.340	2.800
0.08	0.31	B	4AM34 42-8DN00-0ED0			0.360	3.400
0.128	0.49	B	4AM38 42-8DN00-0ED0			0.450	5.700
0.2	0.85	B	4AM40 42-8DN00-0ED0			0.820	6.800
0.236	1.12	B	4AM43 42-8DN00-0ED0			1.000	7.700
0.3	1.44	B	4AM46 42-8DN00-0ED0			1.500	8.700
0.375	2	B	4AM48 42-8DN00-0ED0			1.500	10.300
0.475	2.35	B	4AM52 42-8DN00-0ED0			2.400	11.500
0.6	3.4	B	4AM55 42-8DN00-0ED0			2.600	14.900
0.75	5	B	4AM57 42-8DN00-0ED0			2.800	17.900

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

In multi-voltage version

Rated input voltage U_{1N}

550-525-500-480-460-440-415-400-380-230-208 V,

rated output voltage U_{2N} 42 V

PU (UNIT, SET, M) = 1

PS* = 1 unit

PG = 104

Rated power P_n kVA	Short-time rating $P_{\text{shortt.}}^1)$ kVA	DT ²⁾	Screw terminals/ flat connectors	Order No.	Price per PU	Cu weight per PU approx. kg	Total weight per PU approx. kg
Degree of protection IP00, standard version³⁾							
0.063	0.19	B	4AM32 42-8DV00-0EA0			0.340	1.500
0.1	0.31	B	4AM34 42-8DV00-0EA0			0.360	2.100
0.16	0.49	B	4AM38 42-8DV00-0EA0			0.450	2.800
0.25	0.85	B	4AM40 42-8DV00-0EA0			0.820	3.900
0.315	1.12	B	4AM43 42-8DV00-0EA0			1.000	4.800
0.4	1.44	B	4AM46 42-8DV00-0EA0			1.500	5.800
0.5	2	B	4AM48 42-8DV00-0EA0			1.500	7.400
0.63	2.35	B	4AM52 42-8DV00-0EA0			2.400	8.600
0.8	3.4	B	4AM55 42-8DV00-0EA0			2.600	12.000
1	5	B	4AM57 42-8DV00-0EA0			2.800	15.000
Degree of protection IP00, standard rail mounting³⁾							
0.063	0.19	B	4AM32 42-8DV00-0EA0			0.340	1.500
0.1	0.31	B	4AM34 42-8DV00-0EA0			0.360	2.100
0.16	0.49	B	4AM38 42-8DV00-0EA0			0.450	2.800
0.25	0.85	B	4AM40 42-8DV00-0EA0			0.820	3.900
0.315	1.12	B	4AM43 42-8DV00-0EB0			1.000	4.800
0.4	1.44	B	4AM46 42-8DV00-0EB0			1.500	5.800
0.5	2	B	4AM48 42-8DV00-0EB0			1.500	7.400
Degree of protection IP23							
0.057	0.19	B	4AM32 42-8DV00-0EC0			0.340	2.800
0.09	0.31	B	4AM34 42-8DV00-0EC0			0.360	3.400
0.145	0.49	B	4AM38 42-8DV00-0EC0			0.450	5.700
0.225	0.85	B	4AM40 42-8DV00-0EC0			0.820	6.800
0.268	1.12	B	4AM43 42-8DV00-0EC0			1.000	7.700
0.34	1.44	B	4AM46 42-8DV00-0EC0			1.500	8.700
0.425	2	B	4AM48 42-8DV00-0EC0			1.500	10.300
0.535	2.35	B	4AM52 42-8DV00-0EC0			2.400	11.500
0.68	3.4	B	4AM55 42-8DV00-0EC0			2.600	14.900
0.85	5	B	4AM57 42-8DV00-0EC0			2.800	17.900
Degree of protection IP54							
0.05	0.19	B	4AM32 42-8DV00-0ED0			0.340	2.800
0.08	0.31	B	4AM34 42-8DV00-0ED0			0.360	3.400
0.128	0.49	B	4AM38 42-8DV00-0ED0			0.450	5.700
0.2	0.85	B	4AM40 42-8DV00-0ED0			0.820	6.800
0.236	1.12	B	4AM43 42-8DV00-0ED0			1.000	7.700
0.3	1.44	B	4AM46 42-8DV00-0ED0			1.500	8.700
0.375	2	B	4AM48 42-8DV00-0ED0			1.500	10.300
0.475	2.35	B	4AM52 42-8DV00-0ED0			2.400	11.500
0.6	3.4	B	4AM55 42-8DV00-0ED0			2.600	14.900
0.75	5	B	4AM57 42-8DV00-0ED0			2.800	17.900

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

In multi-voltage version

Rated input voltage U_{1N}

600-575-550-525-500-480-460-440-415-400-240-230 V,

rated output voltage U_{2N} 24 V



PU (UNIT, SET, M) = 1

PS* = 1 unit

PG = 104

Rated power P_n	Short-time rating $P_{short.}$ ¹⁾	DT ²⁾	Screw terminals/ flat connectors	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
KVA	kVA					kg	kg
Degree of protection IP00, standard version³⁾							
0.063	0.19	►	4AM32 42-8EN00-0EA0			0.340	1.500
0.1	0.31	►	4AM34 42-8EN00-0EA0			0.360	2.100
0.16	0.49	►	4AM38 42-8EN00-0EA0			0.450	2.800
0.25	0.85	►	4AM40 42-8EN00-0EA0			0.820	3.900
0.315	1.12	►	4AM43 42-8EN00-0EA0			1.000	4.800
0.4	1.44	►	4AM46 42-8EN00-0EA0			1.500	5.800
0.5	2	►	4AM48 42-8EN00-0EA0			1.500	7.400
0.63	2.35	►	4AM52 42-8EN00-0EA0			2.400	8.600
0.8	3.4	B	4AM55 42-8EN00-0EA0			2.600	12.000
1	5	B	4AM57 42-8EN00-0EA0			2.800	15.000
Degree of protection IP00, standard rail mounting³⁾							
0.063	0.19	►	4AM32 42-8EN00-0EA0			0.340	1.500
0.1	0.31	►	4AM34 42-8EN00-0EA0			0.360	2.100
0.16	0.49	►	4AM38 42-8EN00-0EA0			0.450	2.800
0.25	0.85	►	4AM40 42-8EN00-0EA0			0.820	3.900
0.315	1.12	B	4AM43 42-8EN00-0EB0			1.000	4.800
0.4	1.44	B	4AM46 42-8EN00-0EB0			1.500	5.800
0.5	2	B	4AM48 42-8EN00-0EB0			1.240	7.400
Degree of protection IP23							
0.057	0.19	B	4AM32 42-8EN00-0EC0			0.340	2.800
0.09	0.31	B	4AM34 42-8EN00-0EC0			0.360	3.400
0.145	0.49	B	4AM38 42-8EN00-0EC0			0.450	5.700
0.225	0.85	B	4AM40 42-8EN00-0EC0			0.820	6.800
0.268	1.12	B	4AM43 42-8EN00-0EC0			1.000	7.700
0.34	1.44	B	4AM46 42-8EN00-0EC0			1.500	8.700
0.425	2	B	4AM48 42-8EN00-0EC0			1.500	10.300
0.535	2.35	B	4AM52 42-8EN00-0EC0			2.400	11.500
0.68	3.4	B	4AM55 42-8EN00-0EC0			2.600	14.900
0.85	5	B	4AM57 42-8EN00-0EC0			2.800	17.900
Degree of protection IP54							
0.05	0.19	B	4AM32 42-8EN00-0ED0			0.340	2.800
0.08	0.31	B	4AM34 42-8EN00-0ED0			0.360	3.400
0.128	0.49	B	4AM38 42-8EN00-0ED0			0.450	5.700
0.2	0.85	B	4AM40 42-8EN00-0ED0			0.820	6.800
0.236	1.12	B	4AM43 42-8EN00-0ED0			1.000	7.700
0.3	1.44	B	4AM46 42-8EN00-0ED0			1.500	8.700
0.375	2	B	4AM48 42-8EN00-0ED0			1.500	10.300
0.475	2.35	B	4AM52 42-8EN00-0ED0			2.400	11.500
0.6	3.4	B	4AM55 42-8EN00-0ED0			2.600	14.900
0.75	5	B	4AM57 42-8EN00-0ED0			2.800	17.900

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety, mains and control transformers

In multi-voltage version

Rated input voltage U_{1N}

600-575-550-525-500-480-460-440-415-400-240-230 V,

rated output voltage U_{2N} 42 V

PU (UNIT, SET, M) = 1

PS* = 1 unit

PG = 104

Rated power P_n	Short-time rating $P_{shortt.}^1)$	DT ²⁾	Screw terminals/ flat connectors	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
KVA	kVA					kg	kg
Degree of protection IP00, standard version³⁾							
0.063	0.19	B	4AM32 42-8EV00-0EA0			0.340	1.500
0.1	0.31	B	4AM34 42-8EV00-0EA0			0.360	2.100
0.16	0.49	B	4AM38 42-8EV00-0EA0			0.450	2.800
0.25	0.85	B	4AM40 42-8EV00-0EA0			0.820	3.900
0.315	1.12	B	4AM43 42-8EV00-0EA0			1.000	4.800
0.4	1.44	B	4AM46 42-8EV00-0EA0			1.500	5.800
0.5	2	B	4AM48 42-8EV00-0EA0			1.500	7.400
0.63	2.35	B	4AM52 42-8EV00-0EA0			2.400	8.600
0.8	3.4	B	4AM55 42-8EV00-0EA0			2.600	12.000
1	5	B	4AM57 42-8EV00-0EA0			2.800	15.000
Degree of protection IP00, standard rail mounting³⁾							
0.063	0.19	B	4AM32 42-8EV00-0EA0			0.340	1.500
0.1	0.31	B	4AM34 42-8EV00-0EA0			0.360	2.100
0.16	0.49	B	4AM38 42-8EV00-0EA0			0.450	2.800
0.25	0.85	B	4AM40 42-8EV00-0EA0			0.820	3.900
0.315	1.12	B	4AM43 42-8EV00-0EB0			1.000	4.800
0.4	1.44	B	4AM46 42-8EV00-0EB0			1.500	5.800
0.5	2	B	4AM48 42-8EV00-0EB0			1.500	7.400
Degree of protection IP23							
0.057	0.19	B	4AM32 42-8EV00-0EC0			0.340	2.800
0.09	0.31	B	4AM34 42-8EV00-0EC0			0.360	3.400
0.145	0.49	B	4AM38 42-8EV00-0EC0			0.450	5.700
0.225	0.85	B	4AM40 42-8EV00-0EC0			0.820	6.800
0.268	1.12	B	4AM43 42-8EV00-0EC0			1.000	7.700
0.34	1.44	B	4AM46 42-8EV00-0EC0			1.500	8.700
0.425	2	B	4AM48 42-8EV00-0EC0			1.500	10.300
0.535	2.35	B	4AM52 42-8EV00-0EC0			2.400	11.500
0.68	3.4	B	4AM55 42-8EV00-0EC0			2.600	14.900
0.85	5	B	4AM57 42-8EV00-0EC0			2.800	17.900
Degree of protection IP54							
0.05	0.19	B	4AM32 42-8EV00-0ED0			0.340	2.800
0.08	0.31	B	4AM34 42-8EV00-0ED0			0.360	3.400
0.128	0.49	B	4AM38 42-8EV00-0ED0			0.450	5.700
0.2	0.85	B	4AM40 42-8EV00-0ED0			0.820	6.800
0.236	1.12	B	4AM43 42-8EV00-0ED0			1.000	7.700
0.3	1.44	B	4AM46 42-8EV00-0ED0			1.500	8.700
0.375	2	B	4AM48 42-8EV00-0ED0			1.500	10.300
0.475	2.35	B	4AM52 42-8EV00-0ED0			2.400	11.500
0.6	3.4	B	4AM55 42-8EV00-0ED0			2.600	14.900
0.75	5	B	4AM57 42-8EV00-0ED0			2.800	17.900

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".³⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety and mains transformers

Overview

- According to EN 61558-2-6, -2-1
- c^{UL}us**
- $t_a = 40^\circ\text{C}/\text{B}$
- AC 50/60 Hz
- Degree of protection IP00, IP23 and IP54



4AM with screw/flat connectors (left) and with Cage Clamp terminals (right)

Selection and ordering data

With one input voltage

Rated input voltage $U_{1N} 230 \text{ V} \pm 5\%$,
rated output voltage $U_{2N} 24 \text{ V}$

c^{UL}us,

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
kVA	kVA				kg	kg				kg	kg		
Degree of protection IP00, standard version													
0.025	--	B	4AM23 42-4TN00-0EA0		0.110	0.600	B	4AM23 42-4TN00-0EA1		0.110	0.600		
0.04	--	B	4AM26 42-4TN00-0EA0		0.150	0.800	B	4AM26 42-4TN00-0EA1		0.150	0.800		
Degree of protection IP00, standard rail mounting													
0.025	--	B	4AM23 42-4TN00-0EB0		0.110	0.600	B	4AM23 42-4TN00-0EB1		0.110	0.600		
0.04	--	B	4AM26 42-4TN00-0EB0		0.150	0.800	B	4AM26 42-4TN00-0EB1		0.150	0.800		
Degree of protection IP23													
0.023	--	B	4AM23 42-4TN00-0EC0		0.110	1.900	B	4AM23 42-4TN00-0EC1		0.110	1.900		
0.036	--	B	4AM26 42-4TN00-0EC0		0.150	2.100	B	4AM26 42-4TN00-0EC1		0.150	2.100		
Degree of protection IP54													
0.02	--	B	4AM23 42-4TN00-0ED0		0.110	1.900	B	4AM23 42-4TN00-0ED1		0.110	1.900		
0.03	--	B	4AM26 42-4TN00-0ED0		0.150	2.100	B	4AM26 42-4TN00-0ED1		0.150	2.100		

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

With one input voltage

Rated input voltage $U_{1N} 230 \text{ V} \pm 5\%$,
rated output voltage $U_{2N} 42 \text{ V}$

c^{UL}us,

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
kVA	kVA				kg	kg				kg	kg		
Degree of protection IP00, standard version													
0.025	--	B	4AM23 42-4TV00-0EA0		0.110	0.600	B	4AM23 42-4TV00-0EA1		0.110	0.600		
0.04	--	B	4AM26 42-4TV00-0EA0		0.150	0.800	B	4AM26 42-4TV00-0EA1		0.150	0.800		
Degree of protection IP00, standard rail mounting													
0.025	--	B	4AM23 42-4TV00-0EB0		0.110	0.600	B	4AM23 42-4TV00-0EB1		0.110	0.600		
0.04	--	B	4AM26 42-4TV00-0EB0		0.150	0.800	B	4AM26 42-4TV00-0EB1		0.150	0.800		
Degree of protection IP23													
0.023	--	B	4AM23 42-4TV00-0EC0		0.110	1.900	B	4AM23 42-4TV00-0EC1		0.110	1.900		
0.036	--	B	4AM26 42-4TV00-0EC0		0.150	2.100	B	4AM26 42-4TV00-0EC1		0.150	2.100		
Degree of protection IP54													
0.02	--	B	4AM23 42-4TV00-0ED0		0.110	1.900	B	4AM23 42-4TV00-0ED1		0.110	1.900		
0.03	--	B	4AM26 42-4TV00-0ED0		0.150	2.100	B	4AM26 42-4TV00-0ED1		0.150	2.100		

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

* You can order this quantity or a multiple thereof.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM

safety and mains transformers

With one input voltage

**Rated input voltage U_{1N} 400 V ± 5 %,
rated output voltage U_{2N} 24 V**

Campus. U. B.

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{short.}$	DT ¹⁾	Screw terminals/ flat connectors		Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
								Order No.	Price per PU		
KVA	kVA				kg	kg				kg	kg
Degree of protection IP00, standard version											
0.025	--		► 4AM23 42-5AN00-0EA0		0.110	0.600	B	4AM23 42-5AN00-0EA1 4AM26 42-5AN00-0EA1		0.110	0.600
0.04	--		► 4AM26 42-5AN00-0EA0		0.150	0.800	B	4AM26 42-5AN00-0EA1		0.150	0.800
Degree of protection IP00, standard rail mounting											
0.025	--	B	4AM23 42-5AN00-0EB0		0.110	0.600	B	4AM23 42-5AN00-0EB1 4AM26 42-5AN00-0EB0		0.110	0.600
0.04	--	B	4AM26 42-5AN00-0EB0		0.150	0.800	B	4AM26 42-5AN00-0EB1		0.150	0.800
Degree of protection IP23											
0.023	--	B	4AM23 42-5AN00-0EC0		0.110	1.900	B	4AM23 42-5AN00-0EC1 4AM26 42-5AN00-0EC0		0.110	1.900
0.036	--	B	4AM26 42-5AN00-0EC0		0.150	2.100	B	4AM26 42-5AN00-0EC1		0.150	2.100
Degree of protection IP54											
0.02	--	B	4AM23 42-5AN00-0ED0		0.110	1.900	B	4AM23 42-5AN00-0ED1 4AM26 42-5AN00-0ED0		0.110	1.900
0.03	--	B	4AM26 42-5AN00-0ED0		0.150	2.100	B	4AM26 42-5AN00-0ED1		0.150	2.100

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

With one input voltage

**Rated input voltage U_{1N} 400 V ± 5 %,
rated output voltage U_{2N} 42 V**

caus.us

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors		Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA		kg	kg		kg		kg	kg		
Degree of protection IP00, standard version											
0.025	--	B	4AM23 42-5AV00-0EA0	0.110	0.600	B	4AM23 42-5AV00-0EA1	0.110	0.600		
0.04	--	B	4AM26 42-5AV00-0EA0	0.150	0.800	B	4AM26 42-5AV00-0EA1	0.150	0.800		
Degree of protection IP00, standard rail mounting											
0.025	--	B	4AM23 42-5AV00-0EB0	0.110	0.600	B	4AM23 42-5AV00-0EB1	0.110	0.600		
0.04	--	B	4AM26 42-5AV00-0EB0	0.150	0.800	B	4AM26 42-5AV00-0EB1	0.150	0.800		
Degree of protection IP23											
0.023	--	B	4AM23 42-5AV00-0EC0	0.110	1.900	B	4AM23 42-5AV00-0EC1	0.110	1.900		
0.036	--	B	4AM26 42-5AV00-0EC0	0.150	2.100	B	4AM26 42-5AV00-0EC1	0.150	2.100		
Degree of protection IP54											
0.02	--	B	4AM23 42-5AV00-0ED0	0.110	1.900	B	4AM23 42-5AV00-0ED1	0.110	1.900		
0.03	--	B	4AM26 42-5AV00-0ED0	0.150	2.100	B	4AM26 42-5AV00-0ED1	0.150	2.100		

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM safety and mains transformers

With one input voltage

Rated input voltage U_{1N} 440 V $\pm 5\%$,
rated output voltage U_{2N} 24 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
Degree of protection IP00, standard version											
0.025	--	B	4AM23 42-5CN00-0EA0		0.110	0.600	B	4AM23 42-5CN00-0EA1		0.110	0.600
0.04	--	B	4AM26 42-5CN00-0EA0		0.150	0.800	B	4AM26 42-5CN00-0EA1		0.150	0.800
Degree of protection IP00, standard rail mounting											
0.025	--	B	4AM23 42-5CN00-0EB0		0.110	0.600	B	4AM23 42-5CN00-0EB1		0.110	0.600
0.04	--	B	4AM26 42-5CN00-0EB0		0.150	0.800	B	4AM26 42-5CN00-0EB1		0.150	0.800
Degree of protection IP23											
0.023	--	B	4AM23 42-5CN00-0EC0		0.110	1.900	B	4AM23 42-5CN00-0EC1		0.110	1.900
0.036	--	B	4AM26 42-5CN00-0EC0		0.150	2.100	B	4AM26 42-5CN00-0EC1		0.150	2.100
Degree of protection IP54											
0.02	--	B	4AM23 42-5CN00-0ED0		0.110	1.900	B	4AM23 42-5CN00-0ED1		0.110	1.900
0.03	--	B	4AM26 42-5CN00-0ED0		0.150	2.100	B	4AM26 42-5CN00-0ED1		0.150	2.100

1) The delivery time class depends on the quantity, see page 10/4 "Options".

With one input voltage

Rated input voltage U_{1N} 440 V $\pm 5\%$,
rated output voltage U_{2N} 42 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
Degree of protection IP00, standard version											
0.025	--	B	4AM23 42-5CV00-0EA0		0.110	0.600	B	4AM23 42-5CV00-0EA1		0.110	0.600
0.04	--	B	4AM26 42-5CV00-0EA0		0.150	0.800	B	4AM26 42-5CV00-0EA1		0.150	0.800
Degree of protection IP00, standard rail mounting											
0.025	--	B	4AM23 42-5CV00-0EB0		0.110	0.600	B	4AM23 42-5CV00-0EB1		0.110	0.600
0.04	--	B	4AM26 42-5CV00-0EB0		0.150	0.800	B	4AM26 42-5CV00-0EB1		0.150	0.800
Degree of protection IP23											
0.023	--	B	4AM23 42-5CV00-0EC0		0.110	1.900	B	4AM23 42-5CV00-0EC1		0.110	1.900
0.036	--	B	4AM26 42-5CV00-0EC0		0.150	2.100	B	4AM26 42-5CV00-0EC1		0.150	2.100
Degree of protection IP54											
0.02	--	B	4AM23 42-5CV00-0ED0		0.110	1.900	B	4AM23 42-5CV00-0ED1		0.110	1.900
0.03	--	B	4AM26 42-5CV00-0ED0		0.150	2.100	B	4AM26 42-5CV00-0ED1		0.150	2.100

1) The delivery time class depends on the quantity, see page 10/4 "Options".

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM
safety and mains transformers

With one input voltage

Rated input voltage U_{1N} 500 V ± 5 %,
rated output voltage U_{2N} 24 V



PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version													
0.025	--	B	4AM23 42-5FN00-0EA0		0.110	0.600	B	4AM23 42-5FN00-0EA1				0.110	0.600
0.04	--	B	4AM26 42-5FN00-0EA0		0.150	0.800	B	4AM26 42-5FN00-0EA1				0.150	0.800
Degree of protection IP00, standard rail mounting													
0.025	--	B	4AM23 42-5FN00-0EB0		0.110	0.600	B	4AM23 42-5FN00-0EB1				0.110	0.600
0.04	--	B	4AM26 42-5FN00-0EB0		0.150	0.800	B	4AM26 42-5FN00-0EB1				0.150	0.800
Degree of protection IP23													
0.023	--	B	4AM23 42-5FN00-0EC0		0.110	1.900	B	4AM23 42-5FN00-0EC1				0.110	1.900
0.036	--	B	4AM26 42-5FN00-0EC0		0.150	2.100	B	4AM26 42-5FN00-0EC1				0.150	2.100
Degree of protection IP54													
0.02	--	B	4AM23 42-5FN00-0ED0		0.110	1.900	B	4AM23 42-5FN00-0ED1				0.110	1.900
0.03	--	B	4AM26 42-5FN00-0ED0		0.150	2.100	B	4AM26 42-5FN00-0ED1				0.150	2.100

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

With one input voltage

Rated input voltage U_{1N} 500 V ± 5 %,
rated output voltage U_{2N} 42 V



PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version													
0.025	--	B	4AM23 42-5FV00-0EA0		0.110	0.600	B	4AM23 42-5FV00-0EA1				0.110	0.600
0.04	--	B	4AM26 42-5FV00-0EA0		0.150	0.800	B	4AM26 42-5FV00-0EA1				0.150	0.800
Degree of protection IP00, standard rail mounting													
0.025	--	B	4AM23 42-5FV00-0EB0		0.110	0.600	B	4AM23 42-5FV00-0EB1				0.110	0.600
0.04	--	B	4AM26 42-5FV00-0EB0		0.150	0.800	B	4AM26 42-5FV00-0EB1				0.150	0.800
Degree of protection IP23													
0.023	--	B	4AM23 42-5FV00-0EC0		0.110	1.900	B	4AM23 42-5FV00-0EC1				0.110	1.900
0.036	--	B	4AM26 42-5FV00-0EC0		0.150	2.100	B	4AM26 42-5FV00-0EC1				0.150	2.100
Degree of protection IP54													
0.02	--	B	4AM23 42-5FV00-0ED0		0.110	1.900	B	4AM23 42-5FV00-0ED1				0.110	1.900
0.03	--	B	4AM26 42-5FV00-0ED0		0.150	2.100	B	4AM26 42-5FV00-0ED1				0.150	2.100

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

Overview

- According to EN 61558-2-4, -2-2, -2-1
- c_Wus¹⁾**
- 4AM: $t_a = 40 \text{ }^{\circ}\text{C/B}$, 4AT: $t_a = 55 \text{ }^{\circ}\text{C/H}$
- AC 50/60 Hz
- Degree of protection IP00, IP23 and IP54



1) c_Wus approvals for voltages $\leq 600 \text{ V}$ (excluding tappings).

4AM with screw/flat connectors (left) and 4AT with screw terminals (right)

Selection and ordering data

With one input voltage

Rated input voltage $U_{1N} 230 \text{ V} \pm 5 \%$,

rated output voltage $U_{2N} 110 \text{ V}$

Degree of protection IP00

c_Wus,

PU (UNIT, SET, M) = 1

PS* = 1 unit

PG = 104

Rated power P_n	Short-time rating $P_{\text{shortt.}}$ 1)	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
Degree of protection IP00, standard version⁴⁾											
0.063	0.19	►	4AM32 42-4TJ10-0FA0		0.240	1.400	B	4AM32 42-4TJ10-0FA1		0.240	1.400
0.1	0.31	►	4AM34 42-4TJ10-0FA0		0.260	2.000	B	4AM34 42-4TJ10-0FA1		0.260	2.000
0.16	0.49	►	4AM38 42-4TJ10-0FA0		0.320	2.700	►	4AM38 42-4TJ10-0FA1		0.320	2.700
0.25	0.85	►	4AM40 42-4TJ10-0FA0		0.590	3.700	B	4AM40 42-4TJ10-0FA1		0.590	3.700
0.315	1.12	►	4AM43 42-4TJ10-0FA0		0.670	4.500	B	4AM43 42-4TJ10-0FA1		0.670	4.500
0.4	1.44	►	4AM46 42-4TJ10-0FA0		1.100	5.400	B	4AM46 42-4TJ10-0FA1		1.100	5.400
0.5	2	►	4AM48 42-4TJ10-0FA0		1.100	7.000	B	4AM48 42-4TJ10-0FA1		1.100	7.000
0.63	2.35	►	4AM52 42-4TJ10-0FA0		1.700	7.900	B	4AM52 42-4TJ10-0FA1		1.700	7.900
0.8	3.4	►	4AM55 42-4TJ10-0FA0		1.900	11.000	B	4AM55 42-4TJ10-0FA1		1.900	11.000
1	5	►	4AM57 42-4TJ10-0FA0		2.000	14.000	B	4AM57 42-4TJ10-0FA1		2.000	14.000
1.6	7.3	B	4AM61 42-4TJ10-0FA0		4.100	19.000	B	4AM61 42-4TJ10-0FA1		4.100	19.000
2	9.7	B	4AM64 42-4TJ10-0FA0		4.700	23.000	B	4AM64 42-4TJ10-0FA1		4.700	23.000
2.5	13.3	B	4AM65 42-4TJ10-0FA0		6.400	29.000	B	4AM65 42-4TJ10-0FA1		6.400	29.000
4	16	C	4AT30 32-4TJ10-0FA0		9.900	30.300	--				
5	18.5	C	4AT36 12-4TJ10-0FA0		6.900	33.700	--				
6.3	22.5	C	4AT36 32-4TJ10-0FA0		11.300	39.600	--				
8	28.5	C	4AT39 12-4TJ10-0FA0		12.800	47.900	--				
10	30	C	4AT39 32-4TJ10-0FA0		22.100	57.100	--				
Degree of protection IP00, standard rail mounting⁴⁾											
0.063	0.19	►	4AM32 42-4TJ10-0FA0		0.240	1.400	B	4AM32 42-4TJ10-0FA1		0.240	1.400
0.1	0.31	►	4AM34 42-4TJ10-0FA0		0.260	2.000	B	4AM34 42-4TJ10-0FA1		0.260	2.000
0.16	0.49	►	4AM38 42-4TJ10-0FA0		0.320	2.700	►	4AM38 42-4TJ10-0FA1		0.320	2.700
0.25	0.85	►	4AM40 42-4TJ10-0FA0		0.590	3.700	B	4AM40 42-4TJ10-0FA1		0.590	3.700
0.315	1.12	B	4AM43 42-4TJ10-0FB0		0.670	4.500	B	4AM43 42-4TJ10-0FB1		0.670	4.500
0.4	1.44	B	4AM46 42-4TJ10-0FB0		1.100	5.400	B	4AM46 42-4TJ10-0FB1		1.100	5.400
0.5	2	B	4AM48 42-4TJ10-0FB0		1.100	7.000	B	4AM48 42-4TJ10-0FB1		1.100	7.000

For degrees of protection IP23 and IP54 see page 10/25.

1) For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

2) The delivery time class depends on the quantity, see page 10/4 "Options".

3) The 4AT types are only supplied with screw terminals.

4) For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT
isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 230 V ± 5 %,

rated output voltage U_{2N} 110 V

Degree of protection IP23, IP54



PU (UNIT, SET, M) = 1

PS* = 1 unit

PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾		Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU				Order No.	Price per PU		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-4TJ10-0FC0		0.240	2.700	B	4AM32 42-4TJ10-0FC1		0.240	2.700
0.09	0.31	B	4AM34 42-4TJ10-0FC0		0.260	3.300	B	4AM34 42-4TJ10-0FC1		0.260	3.300
0.145	0.49	B	4AM38 42-4TJ10-0FC0		0.320	5.600	B	4AM38 42-4TJ10-0FC1		0.320	5.600
0.225	0.85	B	4AM40 42-4TJ10-0FC0		0.590	6.600	B	4AM40 42-4TJ10-0FC1		0.590	6.600
0.268	1.12	B	4AM43 42-4TJ10-0FC0		0.670	7.400	B	4AM43 42-4TJ10-0FC1		0.670	7.400
0.34	1.44	B	4AM46 42-4TJ10-0FC0		1.100	8.300	B	4AM46 42-4TJ10-0FC1		1.100	8.300
0.425	2	B	4AM48 42-4TJ10-0FC0		1.100	9.900	B	4AM48 42-4TJ10-0FC1		1.100	9.900
0.535	2.35	B	4AM52 42-4TJ10-0FC0		1.700	10.800	B	4AM52 42-4TJ10-0FC1		1.700	10.800
0.68	3.4	B	4AM55 42-4TJ10-0FC0		1.900	13.900	B	4AM55 42-4TJ10-0FC1		1.900	13.900
0.85	5	B	4AM57 42-4TJ10-0FC0		2.000	16.900	B	4AM57 42-4TJ10-0FC1		2.000	16.900
1.36	7.3	B	4AM61 42-4TJ10-0FC0		4.100	26.700	B	4AM61 42-4TJ10-0FC1		4.100	26.700
1.7	9.7	B	4AM64 42-4TJ10-0FC0		4.700	30.700	B	4AM64 42-4TJ10-0FC1		4.700	30.700
2.13	13.3	B	4AM65 42-4TJ10-0FC0		6.400	36.700	B	4AM65 42-4TJ10-0FC1		6.400	36.700
3.6	16	C	4AT30 32-4TJ10-0FC0		9.900	38.000	--				
4.5	18.5	C	4AT36 12-4TJ10-0FC0		6.900	41.400	--				
5.6	22.5	C	4AT36 32-4TJ10-0FC0		11.300	47.300	--				
7.1	28.5	C	4AT39 12-4TJ10-0FC0		12.800	61.800	--				
9	30	C	4AT39 32-4TJ10-0FC0		22.100	71.000	--				
Degree of protection IP54											
0.05	0.19	B	4AM32 42-4TJ10-0FD0		0.240	2.700	B	4AM32 42-4TJ10-0FD1		0.240	2.700
0.08	0.31	B	4AM34 42-4TJ10-0FD0		0.260	3.300	B	4AM34 42-4TJ10-0FD1		0.260	3.300
0.128	0.49	B	4AM38 42-4TJ10-0FD0		0.320	5.600	B	4AM38 42-4TJ10-0FD1		0.320	5.600
0.2	0.85	B	4AM40 42-4TJ10-0FD0		0.590	6.600	B	4AM40 42-4TJ10-0FD1		0.590	6.600
0.236	1.12	B	4AM43 42-4TJ10-0FD0		0.670	7.400	B	4AM43 42-4TJ10-0FD1		0.670	7.400
0.3	1.44	B	4AM46 42-4TJ10-0FD0		1.100	8.300	B	4AM46 42-4TJ10-0FD1		1.100	8.300
0.375	2	B	4AM48 42-4TJ10-0FD0		1.100	9.900	B	4AM48 42-4TJ10-0FD1		1.100	9.900
0.475	2.35	B	4AM52 42-4TJ10-0FD0		1.700	10.800	B	4AM52 42-4TJ10-0FD1		1.700	10.800
0.6	3.4	B	4AM55 42-4TJ10-0FD0		1.900	13.900	B	4AM55 42-4TJ10-0FD1		1.900	13.900
0.75	5	B	4AM57 42-4TJ10-0FD0		2.000	16.900	B	4AM57 42-4TJ10-0FD1		2.000	16.900
1.2	7.3	B	4AM61 42-4TJ10-0FD0		4.100	26.700	B	4AM61 42-4TJ10-0FD1		4.100	26.700
1.5	9.7	B	4AM64 42-4TJ10-0FD0		4.700	30.700	B	4AM64 42-4TJ10-0FD1		4.700	30.700
1.875	13.3	B	4AM65 42-4TJ10-0FD0		6.400	36.700	B	4AM65 42-4TJ10-0FD1		6.400	36.700
3.15	16	C	4AT30 32-4TJ10-0FD0		9.900	38.000	--				
4	18.5	C	4AT36 12-4TJ10-0FD0		6.900	41.400	--				
5	22.5	C	4AT36 32-4TJ10-0FD0		11.300	47.300	--				
6.3	28.5	C	4AT39 12-4TJ10-0FD0		12.800	61.800	--				
8	30	C	4AT39 32-4TJ10-0FD0		22.100	71.000	--				

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 230 V ± 5 %,
rated output voltage U_{2N} 2 × 115 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	Short-time rating $P_{short.}$ kVA	DT ²⁾	Screw terminals ^{3)/} flat connectors ³⁾		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU		
Degree of protection IP00, standard version⁴⁾						
0.063	0.19	B	4AM32 42-4TD40-0FA0		0.240	1.400
0.1	0.31	B	4AM34 42-4TD40-0FA0		0.260	2.000
0.16	0.49	B	4AM38 42-4TD40-0FA0		0.350	2.700
0.25	0.85	B	4AM40 42-4TD40-0FA0		0.590	3.700
0.315	1.12	B	4AM43 42-4TD40-0FA0		0.670	4.500
0.4	1.44	B	4AM46 42-4TD40-0FA0		1.100	5.400
0.5	2	B	4AM48 42-4TD40-0FA0		1.100	7.000
0.63	2.35	B	4AM52 42-4TD40-0FA0		1.170	7.900
0.8	3.4	B	4AM55 42-4TD40-0FA0		1.900	11.000
1	5	B	4AM57 42-4TD40-0FA0		2.000	14.000
1.6	7.3	B	4AM61 42-4TD40-0FA0		4.320	19.000
2	9.7	B	4AM64 42-4TD40-0FA0		4.700	23.000
2.5	13.3	B	4AM65 42-4TD40-0FA0		6.400	29.000
4	16	C	4AT30 32-4TD40-0FA0		9.900	30.300
5	18.5	C	4AT36 12-4TD40-0FA0		6.900	33.700
6.3	22.5	C	4AT36 32-4TD40-0FA0		11.300	39.600
8	28.5	C	4AT39 12-4TD40-0FA0		12.800	47.900
10	30	C	4AT39 32-4TD40-0FA0		22.100	57.100
Degree of protection IP00, standard rail mounting⁴⁾						
0.063	0.19	B	4AM32 42-4TD40-0FA0		0.240	1.400
0.1	0.31	B	4AM34 42-4TD40-0FA0		0.260	2.000
0.16	0.49	B	4AM38 42-4TD40-0FA0		0.350	2.700
0.25	0.85	B	4AM40 42-4TD40-0FA0		0.590	3.700
0.315	1.12	B	4AM43 42-4TD40-0FB0		0.740	4.500
0.4	1.44	B	4AM46 42-4TD40-0FB0		1.100	5.400
0.5	2	B	4AM48 42-4TD40-0FB0		1.100	7.000
Degree of protection IP23						
0.057	0.19	B	4AM32 42-4TD40-0FC0		0.240	2.700
0.09	0.31	B	4AM34 42-4TD40-0FC0		0.260	3.300
0.145	0.49	B	4AM38 42-4TD40-0FC0		0.320	5.600
0.225	0.85	B	4AM40 42-4TD40-0FC0		0.590	6.600
0.268	1.12	B	4AM43 42-4TD40-0FC0		0.670	7.400
0.34	1.44	B	4AM46 42-4TD40-0FC0		1.100	8.300
0.425	2	B	4AM48 42-4TD40-0FC0		1.100	9.900
0.535	2.35	B	4AM52 42-4TD40-0FC0		1.700	10.800
0.68	3.4	B	4AM55 42-4TD40-0FC0		1.900	13.900
0.85	5	B	4AM57 42-4TD40-0FC0		2.000	16.900
1.36	7.3	B	4AM61 42-4TD40-0FC0		4.100	26.700
1.7	9.7	B	4AM64 42-4TD40-0FC0		4.700	30.700
2.13	13.3	B	4AM65 42-4TD40-0FC0		6.400	36.700
3.6	16	C	4AT30 32-4TD40-0FC0		9.900	38.000
4.5	18.5	C	4AT36 12-4TD40-0FC0		6.900	41.400
5.6	22.5	C	4AT36 32-4TD40-0FC0		11.300	47.300
7.1	28.5	C	4AT39 12-4TD40-0FC0		12.800	61.800
9	30	C	4AT39 32-4TD40-0FC0		22.100	71.000
Degree of protection IP54						
0.05	0.19	B	4AM32 42-4TD40-0FD0		0.240	2.700
0.08	0.31	B	4AM34 42-4TD40-0FD0		0.260	3.300
0.128	0.49	B	4AM38 42-4TD40-0FD0		0.320	5.600
0.2	0.85	B	4AM40 42-4TD40-0FD0		0.590	6.600
0.236	1.12	B	4AM43 42-4TD40-0FD0		0.670	7.400
0.3	1.44	B	4AM46 42-4TD40-0FD0		1.100	8.300
0.375	2	B	4AM48 42-4TD40-0FD0		1.100	9.900
0.475	2.35	B	4AM52 42-4TD40-0FD0		1.700	10.800
0.6	3.4	B	4AM55 42-4TD40-0FD0		1.900	13.900
0.75	5	B	4AM57 42-4TD40-0FD0		2.000	16.900
1.2	7.3	B	4AM61 42-4TD40-0FD0		4.100	26.700
1.5	9.7	B	4AM64 42-4TD40-0FD0		4.700	30.700
1.875	13.3	B	4AM65 42-4TD40-0FD0		6.400	36.700
3.15	16	C	4AT30 32-4TD40-0FD0		9.900	38.000
4	18.5	C	4AT36 12-4TD40-0FD0		6.900	41.400
5	22.5	C	4AT36 32-4TD40-0FD0		11.300	47.300
6.3	28.5	C	4AT39 12-4TD40-0FD0		12.800	61.800
8	30	C	4AT39 32-4TD40-0FD0		22.100	71.000

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 230 V ± 5 %,
rated output voltage U_{2N} 230 V

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA										
Degree of protection IP00, standard version⁴⁾											
0.063	0.19	►	4AM32 42-4TT10-0FA0	0.240	1.400	B	4AM32 42-4TT10-0FA1	0.240	1.400		
0.1	0.31	►	4AM34 42-4TT10-0FA0	0.260	2.000	B	4AM34 42-4TT10-0FA1	0.260	2.000		
0.16	0.49	►	4AM38 42-4TT10-0FA0	0.320	2.700	B	4AM38 42-4TT10-0FA1	0.320	2.700		
0.25	0.85	►	4AM40 42-4TT10-0FA0	0.590	3.700	B	4AM40 42-4TT10-0FA1	0.590	3.700		
0.315	1.12	►	4AM43 42-4TT10-0FA0	0.670	4.500	B	4AM43 42-4TT10-0FA1	0.670	4.500		
0.4	1.44	►	4AM46 42-4TT10-0FA0	1.100	5.400	B	4AM46 42-4TT10-0FA1	1.100	5.400		
0.5	2	►	4AM48 42-4TT10-0FA0	1.100	7.000	B	4AM48 42-4TT10-0FA1	1.100	7.000		
0.63	2.35	►	4AM52 42-4TT10-0FA0	1.700	7.900	B	4AM52 42-4TT10-0FA1	1.700	7.900		
0.8	3.4	►	4AM55 42-4TT10-0FA0	1.900	11.000	B	4AM55 42-4TT10-0FA1	1.900	11.000		
1	5	►	4AM57 42-4TT10-0FA0	2.000	14.000	B	4AM57 42-4TT10-0FA1	2.000	14.000		
1.6	7.3	►	4AM61 42-4TT10-0FA0	4.100	19.000	B	4AM61 42-4TT10-0FA1	4.100	19.000		
2	9.7	►	4AM64 42-4TT10-0FA0	4.700	23.000	B	4AM64 42-4TT10-0FA1	4.700	23.000		
2.5	13.3	►	4AM65 42-4TT10-0FA0	6.400	29.000	B	4AM65 42-4TT10-0FA1	6.400	29.000		
4	16	►	4AT30 32-4TT10-0FA0	9.900	30.300	--					
5	18.5	C	4AT36 12-4TT10-0FA0	6.900	33.700	--					
6.3	22.5	C	4AT36 32-4TT10-0FA0	11.300	39.600	--					
8	28.5	C	4AT39 12-4TT10-0FA0	12.800	47.900	--					
10	30	C	4AT39 32-4TT10-0FA0	22.100	57.100	--					
Degree of protection IP00, standard rail mounting⁴⁾											
0.063	0.19	►	4AM32 42-4TT10-0FA0	0.240	1.400	B	4AM32 42-4TT10-0FA1	0.240	1.400		
0.1	0.31	►	4AM34 42-4TT10-0FA0	0.260	2.000	B	4AM34 42-4TT10-0FA1	0.260	2.000		
0.16	0.49	►	4AM38 42-4TT10-0FA0	0.320	2.700	B	4AM38 42-4TT10-0FA1	0.320	2.700		
0.25	0.85	►	4AM40 42-4TT10-0FA0	0.590	3.700	B	4AM40 42-4TT10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-4TT10-0FB0	0.670	4.500	B	4AM43 42-4TT10-0FB1	0.670	4.500		
0.4	1.44	B	4AM46 42-4TT10-0FB0	1.100	5.400	B	4AM46 42-4TT10-0FB1	1.100	5.400		
0.5	2	B	4AM48 42-4TT10-0FB0	1.100	7.000	B	4AM48 42-4TT10-0FB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-4TT10-0FC0	0.240	2.700	B	4AM32 42-4TT10-0FC1	0.240	2.700		
0.09	0.31	B	4AM34 42-4TT10-0FC0	0.260	3.300	B	4AM34 42-4TT10-0FC1	0.260	3.300		
0.145	0.49	B	4AM38 42-4TT10-0FC0	0.320	5.600	B	4AM38 42-4TT10-0FC1	0.320	5.600		
0.225	0.85	B	4AM40 42-4TT10-0FC0	0.590	6.600	B	4AM40 42-4TT10-0FC1	0.590	6.600		
0.268	1.12	B	4AM43 42-4TT10-0FC0	0.670	7.400	B	4AM43 42-4TT10-0FC1	0.670	7.400		
0.34	1.44	B	4AM46 42-4TT10-0FC0	1.100	8.300	B	4AM46 42-4TT10-0FC1	1.100	8.300		
0.425	2	B	4AM48 42-4TT10-0FC0	1.100	9.900	B	4AM48 42-4TT10-0FC1	1.100	9.900		
0.535	2.35	B	4AM52 42-4TT10-0FC0	1.700	10.800	B	4AM52 42-4TT10-0FC1	1.700	10.800		
0.68	3.4	B	4AM55 42-4TT10-0FC0	1.900	13.900	B	4AM55 42-4TT10-0FC1	1.900	13.900		
0.85	5	B	4AM57 42-4TT10-0FC0	2.000	16.900	B	4AM57 42-4TT10-0FC1	2.000	16.900		
1.36	7.3	B	4AM61 42-4TT10-0FC0	4.100	26.700	B	4AM61 42-4TT10-0FC1	4.100	26.700		
1.7	9.7	B	4AM64 42-4TT10-0FC0	4.700	30.700	B	4AM64 42-4TT10-0FC1	4.700	30.700		
2.13	13.3	B	4AM65 42-4TT10-0FC0	6.400	36.700	B	4AM65 42-4TT10-0FC1	6.400	36.700		
3.6	16	C	4AT30 32-4TT10-0FC0	9.900	38.000	--					
4.5	18.5	C	4AT36 12-4TT10-0FC0	6.900	41.400	--					
5.6	22.5	C	4AT36 32-4TT10-0FC0	11.300	47.300	--					
7.1	28.5	C	4AT39 12-4TT10-0FC0	12.800	61.800	--					
9	30	C	4AT39 32-4TT10-0FC0	22.100	71.000	--					
Degree of protection IP54											
0.05	0.19	B	4AM32 42-4TT10-0FD0	0.240	2.700	B	4AM32 42-4TT10-0FD1	0.240	2.700		
0.08	0.31	B	4AM34 42-4TT10-0FD0	0.260	3.300	B	4AM34 42-4TT10-0FD1	0.260	3.300		
0.128	0.49	B	4AM38 42-4TT10-0FD0	0.320	5.600	B	4AM38 42-4TT10-0FD1	0.320	5.600		
0.2	0.85	B	4AM40 42-4TT10-0FD0	0.590	6.600	B	4AM40 42-4TT10-0FD1	0.590	6.600		
0.236	1.12	B	4AM43 42-4TT10-0FD0	0.670	7.400	B	4AM43 42-4TT10-0FD1	0.670	7.400		
0.3	1.44	B	4AM46 42-4TT10-0FD0	1.100	8.300	B	4AM46 42-4TT10-0FD1	1.100	8.300		
0.375	2	B	4AM48 42-4TT10-0FD0	1.100	9.900	B	4AM48 42-4TT10-0FD1	1.100	9.900		
0.475	2.35	B	4AM52 42-4TT10-0FD0	1.700	10.800	B	4AM52 42-4TT10-0FD1	1.700	10.800		
0.6	3.4	B	4AM55 42-4TT10-0FD0	1.900	13.900	B	4AM55 42-4TT10-0FD1	1.830	13.900		
0.75	5	B	4AM57 42-4TT10-0FD0	2.000	16.900	B	4AM57 42-4TT10-0FD1	2.000	16.900		
1.2	7.3	B	4AM61 42-4TT10-0FD0	4.100	26.700	B	4AM61 42-4TT10-0FD1	4.100	26.700		
1.5	9.7	B	4AM64 42-4TT10-0FD0	4.700	30.700	B	4AM64 42-4TT10-0FD1	4.700	30.700		
1.875	13.3	B	4AM65 42-4TT10-0FD0	6.400	36.700	B	4AM65 42-4TT10-0FD1	6.400	36.700		
3.15	16	C	4AT30 32-4TT10-0FD0	9.900	38.000	--					
4	18.5	C	4AT36 12-4TT10-0FD0	6.900	41.400	--					
5	22.5	C	4AT36 32-4TT10-0FD0	11.300	47.300	--					
6.3	28.5	C	4AT39 12-4TT10-0FD0	12.800	61.800	--					
8	30	C	4AT39 32-4TT10-0FD0	22.100	71.000	--					

1) For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

2) The delivery time class depends on the quantity, see page 10/4 "Options".

3) The 4AT types are only supplied with screw terminals.

* You can order this quantity or a multiple thereof.

4) For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 400 V ± 5 %,
rated output voltage U_{2N} 110 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{\text{shortt.}}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾		Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA				kg	kg				kg	kg
Degree of protection IP00, standard version⁴⁾											
0.063	0.19	►	4AM32 42-5AJ10-0FA0	0.240	1.400	B	4AM32 42-5AJ10-0FA1	0.240	1.400		
0.1	0.31	►	4AM34 42-5AJ10-0FA0	0.260	2.000	B	4AM34 42-5AJ10-0FA1	0.260	2.000		
0.16	0.49	►	4AM38 42-5AJ10-0FA0	0.320	2.700	B	4AM38 42-5AJ10-0FA1	0.320	2.700		
0.25	0.85	►	4AM40 42-5AJ10-0FA0	0.590	3.700	B	4AM40 42-5AJ10-0FA1	0.590	3.700		
0.315	1.12	►	4AM43 42-5AJ10-0FA0	0.670	4.500	B	4AM43 42-5AJ10-0FA1	0.670	4.500		
0.4	1.44	►	4AM46 42-5AJ10-0FA0	1.100	5.400	B	4AM46 42-5AJ10-0FA1	1.100	5.400		
0.5	2	►	4AM48 42-5AJ10-0FA0	1.100	7.000	B	4AM48 42-5AJ10-0FA1	1.100	7.000		
0.63	2.35	►	4AM52 42-5AJ10-0FA0	1.700	7.900	B	4AM52 42-5AJ10-0FA1	1.700	7.900		
0.8	3.4	►	4AM55 42-5AJ10-0FA0	1.900	11.000	B	4AM55 42-5AJ10-0FA1	1.900	11.000		
1	5	►	4AM57 42-5AJ10-0FA0	2.000	14.000	B	4AM57 42-5AJ10-0FA1	2.000	14.000		
1.6	7.3	►	4AM61 42-5AJ10-0FA0	4.100	19.000	B	4AM61 42-5AJ10-0FA1	4.100	19.000		
2	9.7	►	4AM64 42-5AJ10-0FA0	4.700	23.000	B	4AM64 42-5AJ10-0FA1	4.700	23.000		
2.5	13.3	►	4AM65 42-5AJ10-0FA0	6.400	29.000	B	4AM65 42-5AJ10-0FA1	6.400	29.000		
4	16	C	4AT30 32-5AJ10-0FA0	9.900	30.300		--				
5	18.5	C	4AT36 12-5AJ10-0FA0	6.900	33.700		--				
6.3	22.5	C	4AT36 32-5AJ10-0FA0	11.300	39.600		--				
8	28.5	C	4AT39 12-5AJ10-0FA0	12.800	47.900		--				
10	30	C	4AT39 32-5AJ10-0FA0	22.100	57.100		--				
Degree of protection IP00, standard rail mounting⁴⁾											
0.063	0.19	►	4AM32 42-5AJ10-0FA0	0.240	1.400	B	4AM32 42-5AJ10-0FA1	0.240	1.400		
0.1	0.31	►	4AM34 42-5AJ10-0FA0	0.260	2.000	B	4AM34 42-5AJ10-0FA1	0.260	2.000		
0.16	0.49	►	4AM38 42-5AJ10-0FA0	0.320	2.700	B	4AM38 42-5AJ10-0FA1	0.320	2.700		
0.25	0.85	►	4AM40 42-5AJ10-0FA0	0.590	3.700	B	4AM40 42-5AJ10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5AJ10-0FB0	0.670	4.500	B	4AM43 42-5AJ10-0FB1	0.670	4.500		
0.4	1.44	B	4AM46 42-5AJ10-0FB0	1.100	5.400	B	4AM46 42-5AJ10-0FB1	1.100	5.400		
0.5	2	B	4AM48 42-5AJ10-0FB0	1.100	7.000	B	4AM48 42-5AJ10-0FB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-5AJ10-0FC0	0.240	2.700	B	4AM32 42-5AJ10-0FC1	0.240	2.700		
0.09	0.31	B	4AM34 42-5AJ10-0FC0	0.260	3.300	B	4AM34 42-5AJ10-0FC1	0.260	3.300		
0.145	0.49	B	4AM38 42-5AJ10-0FC0	0.320	5.600	B	4AM38 42-5AJ10-0FC1	0.320	5.600		
0.225	0.85	B	4AM40 42-5AJ10-0FC0	0.590	6.600	B	4AM40 42-5AJ10-0FC1	0.590	6.600		
0.268	1.12	B	4AM43 42-5AJ10-0FC0	0.670	7.400	B	4AM43 42-5AJ10-0FC1	0.670	7.400		
0.34	1.44	B	4AM46 42-5AJ10-0FC0	1.100	8.300	B	4AM46 42-5AJ10-0FC1	1.100	8.300		
0.425	2	B	4AM48 42-5AJ10-0FC0	1.100	9.900	B	4AM48 42-5AJ10-0FC1	1.100	9.900		
0.535	2.35	B	4AM52 42-5AJ10-0FC0	1.700	10.800	B	4AM52 42-5AJ10-0FC1	1.700	10.800		
0.68	3.4	B	4AM55 42-5AJ10-0FC0	1.900	13.900	B	4AM55 42-5AJ10-0FC1	1.900	13.900		
0.85	5	B	4AM57 42-5AJ10-0FC0	2.000	16.900	B	4AM57 42-5AJ10-0FC1	2.000	16.900		
1.36	7.3	B	4AM61 42-5AJ10-0FC0	4.100	26.700	B	4AM61 42-5AJ10-0FC1	4.100	26.700		
1.7	9.7	B	4AM64 42-5AJ10-0FC0	4.700	30.700	B	4AM64 42-5AJ10-0FC1	4.700	30.700		
2.13	13.3	B	4AM65 42-5AJ10-0FC0	6.400	36.700	B	4AM65 42-5AJ10-0FC1	6.400	36.700		
3.6	16	C	4AT30 32-5AJ10-0FC0	9.900	38.000		--				
4.5	18.5	C	4AT36 12-5AJ10-0FC0	6.900	41.400		--				
5.6	22.5	C	4AT36 32-5AJ10-0FC0	11.300	47.300		--				
7.1	28.5	C	4AT39 12-5AJ10-0FC0	12.800	61.800		--				
9	30	C	4AT39 32-5AJ10-0FC0	22.100	71.000		--				
Degree of protection IP54											
0.05	0.19	B	4AM32 42-5AJ10-0FD0	0.240	2.700	B	4AM32 42-5AJ10-0FD1	0.240	2.700		
0.08	0.31	B	4AM34 42-5AJ10-0FD0	0.260	3.300	B	4AM34 42-5AJ10-0FD1	0.260	3.300		
0.128	0.49	B	4AM38 42-5AJ10-0FD0	0.320	5.600	B	4AM38 42-5AJ10-0FD1	0.320	5.600		
0.2	0.85	B	4AM40 42-5AJ10-0FD0	0.590	6.600	B	4AM40 42-5AJ10-0FD1	0.590	6.600		
0.236	1.12	B	4AM43 42-5AJ10-0FD0	0.670	7.400	B	4AM43 42-5AJ10-0FD1	0.670	7.400		
0.3	1.44	B	4AM46 42-5AJ10-0FD0	1.100	8.300	B	4AM46 42-5AJ10-0FD1	1.100	8.300		
0.375	2	B	4AM48 42-5AJ10-0FD0	1.100	9.900	B	4AM48 42-5AJ10-0FD1	1.100	9.900		
0.475	2.35	B	4AM52 42-5AJ10-0FD0	1.700	10.800	B	4AM52 42-5AJ10-0FD1	1.700	10.800		
0.6	3.4	B	4AM55 42-5AJ10-0FD0	1.900	13.900	B	4AM55 42-5AJ10-0FD1	1.900	13.900		
0.75	5	B	4AM57 42-5AJ10-0FD0	2.000	16.900	B	4AM57 42-5AJ10-0FD1	2.000	16.900		
1.2	7.3	B	4AM61 42-5AJ10-0FD0	4.100	26.700	B	4AM61 42-5AJ10-0FD1	4.100	26.700		
1.5	9.7	B	4AM64 42-5AJ10-0FD0	4.700	30.700	B	4AM64 42-5AJ10-0FD1	4.700	30.700		
1.875	13.3	B	4AM65 42-5AJ10-0FD0	6.400	36.700	B	4AM65 42-5AJ10-0FD1	6.400	36.700		
3.15	16	C	4AT30 32-5AJ10-0FD0	9.900	38.000		--				
4	18.5	C	4AT36 12-5AJ10-0FD0	6.900	41.400		--				
5	22.5	C	4AT36 32-5AJ10-0FD0	11.300	47.300		--				
6.3	28.5	C	4AT39 12-4TJ10-0FD0	12.800	61.800		--				
8	30	C	4AT39 32-4TJ10-0FD0	22.100	71.000		--				

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT
isolating, control and mains transformers

With one input voltage

**Rated input voltage U_{1N} 400 V ± 5 %,
rated output voltage U_{2N} 2 × 115 V**



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	Short-time rating $P_{short.}$ kVA	DT ²⁾	Screw terminals^{3)/} flat connectors³⁾		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU		
Degree of protection IP00, standard version⁴⁾						
0.063	0.19	B	4AM32 42-5AD40-0FA0		0.300	1.400
0.1	0.31	B	4AM34 42-5AD40-0FA0		0.260	2.000
0.16	0.49	B	4AM38 42-5AD40-0FA0		0.360	2.700
0.25	0.85	B	4AM40 42-5AD40-0FA0		0.650	3.700
0.315	1.12	B	4AM43 42-5AD40-0FA0		0.670	4.500
0.4	1.44	B	4AM46 42-5AD40-0FA0		1.100	5.400
0.5	2	B	4AM48 42-5AD40-0FA0		1.100	7.000
0.63	2.35	B	4AM52 42-5AD40-0FA0		1.700	7.900
0.8	3.4	B	4AM55 42-5AD40-0FA0		1.900	11.000
1	5	B	4AM57 42-5AD40-0FA0		2.000	14.000
1.6	7.3	B	4AM61 42-5AD40-0FA0		4.100	19.000
2	9.7	B	4AM64 42-5AD40-0FA0		4.700	23.000
2.5	13.3	B	4AM65 42-5AD40-0FA0		6.400	29.000
4	16	C	4AT30 32-5AD40-0FA0		9.900	30.300
5	18.5	C	4AT36 12-5AD40-0FA0		6.900	33.700
6.3	22.5	C	4AT36 32-5AD40-0FA0		11.300	39.600
8	28.5	C	4AT39 12-5AD40-0FA0		12.800	47.900
10	30	C	4AT39 32-5AD40-0FA0		22.100	57.100
Degree of protection IP00, standard rail mounting⁴⁾						
0.063	0.19	B	4AM32 42-5AD40-0FB0		0.300	1.400
0.1	0.31	B	4AM34 42-5AD40-0FB0		0.260	2.000
0.16	0.49	B	4AM38 42-5AD40-0FB0		0.360	2.700
0.25	0.85	B	4AM40 42-5AD40-0FB0		0.650	3.700
0.315	1.12	B	4AM43 42-5AD40-0FB0		0.670	4.500
0.4	1.44	B	4AM46 42-5AD40-0FB0		1.100	5.400
0.5	2	B	4AM48 42-5AD40-0FB0		1.100	7.000
Degree of protection IP23						
0.057	0.19	B	4AM32 42-5AD40-0FC0		0.240	2.700
0.09	0.31	B	4AM34 42-5AD40-0FC0		0.260	3.300
0.145	0.49	B	4AM38 42-5AD40-0FC0		0.320	5.600
0.225	0.85	B	4AM40 42-5AD40-0FC0		0.590	6.600
0.268	1.12	B	4AM43 42-5AD40-0FC0		0.670	7.400
0.34	1.44	B	4AM46 42-5AD40-0FC0		1.100	8.300
0.425	2	B	4AM48 42-5AD40-0FC0		1.100	9.900
0.535	2.35	B	4AM52 42-5AD40-0FC0		1.700	10.800
0.68	3.4	B	4AM55 42-5AD40-0FC0		1.900	13.900
0.85	5	B	4AM57 42-5AD40-0FC0		2.000	16.900
1.36	7.3	B	4AM61 42-5AD40-0FC0		4.100	26.700
1.7	9.7	B	4AM64 42-5AD40-0FC0		4.700	30.700
2.13	13.3	B	4AM65 42-5AD40-0FC0		6.400	36.700
3.6	16	C	4AT30 32-5AD40-0FC0		9.900	38.000
4.5	18.5	C	4AT36 12-5AD40-0FC0		6.900	41.400
5.6	22.5	C	4AT36 32-5AD40-0FC0		11.300	47.300
7.1	28.5	C	4AT39 12-5AD40-0FC0		12.800	61.800
9	30	C	4AT39 32-5AD40-0FC0		22.100	71.000
Degree of protection IP54						
0.05	0.19	B	4AM32 42-5AD40-0FD0		0.240	2.700
0.08	0.31	B	4AM34 42-5AD40-0FD0		0.260	3.300
0.128	0.49	B	4AM38 42-5AD40-0FD0		0.320	5.600
0.2	0.85	B	4AM40 42-5AD40-0FD0		0.590	6.600
0.236	1.12	B	4AM43 42-5AD40-0FD0		0.670	7.400
0.3	1.44	B	4AM46 42-5AD40-0FD0		1.100	8.300
0.375	2	B	4AM48 42-5AD40-0FD0		1.100	9.900
0.475	2.35	B	4AM52 42-5AD40-0FD0		1.700	10.800
0.6	3.4	B	4AM55 42-5AD40-0FD0		1.900	13.900
0.75	5	B	4AM57 42-5AD40-0FD0		2.000	16.900
1.2	7.3	B	4AM61 42-5AD40-0FD0		4.100	26.700
1.5	9.7	B	4AM64 42-5AD40-0FD0		4.700	30.700
1.875	13.3	B	4AM65 42-5AD40-0FD0		6.400	36.700
3.15	16	C	4AT30 32-5AD40-0FD0		9.900	38.000
4	18.5	C	4AT36 12-5AD40-0FD0		6.900	41.400
5	22.5	C	4AT36 32-5AD40-0FD0		11.300	47.300
6.3	28.5	C	4AT39 12-5AD40-0FD0		12.800	61.800
8	30	C	4AT39 32-5AD40-0FD0		22.100	71.000

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 400 V ± 5 %,
rated output voltage U_{2N} 230 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{\text{shortt.}}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA										
Degree of protection IP00, standard version⁴⁾											
0.063	0.19	►	4AM32 42-5AT10-0FA0	0.240	1.400	B	4AM32 42-5AT10-0FA1	0.240	1.400		
0.1	0.31	►	4AM34 42-5AT10-0FA0	0.260	2.000	⑤	4AM34 42-5AT10-0FA1	0.260	2.000		
0.16	0.49	►	4AM38 42-5AT10-0FA0	0.320	2.700	B	4AM38 42-5AT10-0FA1	0.320	2.700		
0.25	0.85	►	4AM40 42-5AT10-0FA0	0.590	3.700	►	4AM40 42-5AT10-0FA1	0.590	3.700		
0.315	1.12	►	4AM43 42-5AT10-0FA0	0.670	4.500	►	4AM43 42-5AT10-0FA1	0.670	4.500		
0.4	1.44	►	4AM46 42-5AT10-0FA0	1.100	5.400	⑤	4AM46 42-5AT10-0FA1	1.100	5.400		
0.5	2	►	4AM48 42-5AT10-0FA0	1.100	7.000	►	4AM48 42-5AT10-0FA1	1.100	7.000		
0.63	2.35	►	4AM52 42-5AT10-0FA0	1.700	7.900	B	4AM52 42-5AT10-0FA1	1.700	7.900		
0.8	3.4	►	4AM55 42-5AT10-0FA0	1.900	11.000	B	4AM55 42-5AT10-0FA1	1.900	11.000		
1	5	►	4AM57 42-5AT10-0FA0	2.000	14.000	⑤	4AM57 42-5AT10-0FA1	2.000	14.000		
1.6	7.3	►	4AM61 42-5AT10-0FA0	4.100	19.000	►	4AM61 42-5AT10-0FA1	4.100	19.000		
2	9.7	►	4AM64 42-5AT10-0FA0	4.700	23.000	B	4AM64 42-5AT10-0FA1	4.700	23.000		
2.5	13.3	►	4AM65 42-5AT10-0FA0	6.400	29.000	B	4AM65 42-5AT10-0FA1	6.400	29.000		
4	16	►	4AT30 32-5AT10-0FA0	9.900	30.300	--					
5	18.5	►	4AT36 12-5AT10-0FA0	6.900	33.700	--					
6.3	22.5	►	4AT36 32-5AT10-0FA0	11.300	37.000	--					
8	28.5	C	4AT39 12-5AT10-0FA0	12.800	47.900	--					
10	30	►	4AT39 32-5AT10-0FA0	22.100	57.100	--					
Degree of protection IP00, standard rail mounting⁴⁾											
0.063	0.19	►	4AM32 42-5AT10-0FA0	0.240	1.400	B	4AM32 42-5AT10-0FA1	0.240	1.400		
0.1	0.31	►	4AM34 42-5AT10-0FA0	0.260	2.000	►	4AM34 42-5AT10-0FA1	0.260	2.000		
0.16	0.49	►	4AM38 42-5AT10-0FA0	0.320	2.700	B	4AM38 42-5AT10-0FA1	0.320	2.700		
0.25	0.85	►	4AM40 42-5AT10-0FA0	0.590	3.700	►	4AM40 42-5AT10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5AT10-0FB0	0.670	4.500	B	4AM43 42-5AT10-0FB1	0.670	4.500		
0.4	1.44	►	4AM46 42-5AT10-0FB0	1.100	5.400	B	4AM46 42-5AT10-0FB1	1.100	5.400		
0.5	2	►	4AM48 42-5AT10-0FB0	1.100	7.000	B	4AM48 42-5AT10-0FB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-5AT10-0FC0	0.240	2.700	B	4AM32 42-5AT10-0FC1	0.240	2.700		
0.09	0.31	B	4AM34 42-5AT10-0FC0	0.260	3.300	B	4AM34 42-5AT10-0FC1	0.260	3.300		
0.145	0.49	B	4AM38 42-5AT10-0FC0	0.320	5.600	B	4AM38 42-5AT10-0FC1	0.320	5.600		
0.225	0.85	B	4AM40 42-5AT10-0FC0	0.590	6.600	B	4AM40 42-5AT10-0FC1	0.590	6.600		
0.268	1.12	B	4AM43 42-5AT10-0FC0	0.670	7.400	B	4AM43 42-5AT10-0FC1	0.670	7.400		
0.34	1.44	B	4AM46 42-5AT10-0FC0	1.100	8.300	B	4AM46 42-5AT10-0FC1	1.100	8.300		
0.425	2	B	4AM48 42-5AT10-0FC0	1.100	9.900	B	4AM48 42-5AT10-0FC1	1.100	9.900		
0.535	2.35	B	4AM52 42-5AT10-0FC0	1.700	10.800	B	4AM52 42-5AT10-0FC1	1.700	10.800		
0.68	3.4	B	4AM55 42-5AT10-0FC0	1.900	13.900	B	4AM55 42-5AT10-0FC1	1.900	13.900		
0.85	5	B	4AM57 42-5AT10-0FC0	2.000	16.900	B	4AM57 42-5AT10-0FC1	2.000	16.900		
1.36	7.3	B	4AM61 42-5AT10-0FC0	4.100	26.700	B	4AM61 42-5AT10-0FC1	4.100	26.700		
1.7	9.7	B	4AM64 42-5AT10-0FC0	4.700	30.700	B	4AM64 42-5AT10-0FC1	4.700	30.700		
2.13	13.3	B	4AM65 42-5AT10-0FC0	6.400	36.700	B	4AM65 42-5AT10-0FC1	6.400	36.700		
3.6	16	C	4AT30 32-5AT10-0FC0	9.900	38.000	--					
4.5	18.5	C	4AT36 12-5AT10-0FC0	6.900	41.400	--					
5.6	22.5	C	4AT36 32-5AT10-0FC0	11.300	47.300	--					
7.1	28.5	C	4AT39 12-5AT10-0FC0	12.800	61.800	--					
9	30	C	4AT39 32-5AT10-0FC0	22.100	71.000	--					
Degree of protection IP54											
0.05	0.19	B	4AM32 42-5AT10-0FD0	0.240	2.700	B	4AM32 42-5AT10-0FD1	0.240	2.700		
0.08	0.31	B	4AM34 42-5AT10-0FD0	0.260	3.300	B	4AM34 42-5AT10-0FD1	0.260	3.300		
0.128	0.49	B	4AM38 42-5AT10-0FD0	0.320	5.600	B	4AM38 42-5AT10-0FD1	0.320	5.600		
0.2	0.85	B	4AM40 42-5AT10-0FD0	0.590	6.600	B	4AM40 42-5AT10-0FD1	0.590	6.600		
0.236	1.12	B	4AM43 42-5AT10-0FD0	0.670	7.400	B	4AM43 42-5AT10-0FD1	0.670	7.400		
0.3	1.44	B	4AM46 42-5AT10-0FD0	1.100	8.300	B	4AM46 42-5AT10-0FD1	1.100	8.300		
0.375	2	B	4AM48 42-5AT10-0FD0	1.100	9.900	B	4AM48 42-5AT10-0FD1	1.100	9.900		
0.475	2.35	B	4AM52 42-5AT10-0FD0	1.700	10.800	B	4AM52 42-5AT10-0FD1	1.700	10.800		
0.6	3.4	B	4AM55 42-5AT10-0FD0	1.900	13.900	B	4AM55 42-5AT10-0FD1	1.900	13.900		
0.75	5	B	4AM57 42-5AT10-0FD0	2.000	16.900	B	4AM57 42-5AT10-0FD1	2.000	16.900		
1.2	7.3	B	4AM61 42-5AT10-0FD0	4.100	26.700	B	4AM61 42-5AT10-0FD1	4.100	26.700		
1.5	9.7	B	4AM64 42-5AT10-0FD0	4.700	30.700	B	4AM64 42-5AT10-0FD1	4.700	30.700		
1.875	13.3	B	4AM65 42-5AT10-0FD0	6.400	36.700	B	4AM65 42-5AT10-0FD1	6.400	36.700		
3.15	16	C	4AT30 32-5AT10-0FD0	9.900	38.000	--					
4	18.5	C	4AT36 12-5AT10-0FD0	6.900	41.400	--					
5	22.5	C	4AT36 32-5AT10-0FD0	11.300	47.300	--					
6.3	28.5	C	4AT39 12-5AT10-0FD0	12.800	61.800	--					
8	30	C	4AT39 32-5AT10-0FD0	22.100	71.000	--					

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 440 V ± 5 %,
rated output voltage U_{2N} 110 Vc_Wus, Ø, △, ØPU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾		Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA				kg	kg				kg	kg
Degree of protection IP00, standard version⁴⁾											
0.063	0.19	B	4AM32 42-5CJ10-0FA0	0.240	1.400	B	4AM32 42-5CJ10-0FA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5CJ10-0FA0	0.260	2.000	B	4AM34 42-5CJ10-0FA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5CJ10-0FA0	0.320	2.700	B	4AM38 42-5CJ10-0FA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5CJ10-0FA0	0.590	3.700	B	4AM40 42-5CJ10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5CJ10-0FA0	0.670	4.500	B	4AM43 42-5CJ10-0FA1	0.670	4.500		
0.4	1.44	B	4AM46 42-5CJ10-0FA0	1.100	5.400	B	4AM46 42-5CJ10-0FA1	1.100	5.400		
0.5	2	B	4AM48 42-5CJ10-0FA0	1.100	7.000	B	4AM48 42-5CJ10-0FA1	1.100	7.000		
0.63	2.35	B	4AM52 42-5CJ10-0FA0	1.700	7.900	B	4AM52 42-5CJ10-0FA1	1.700	7.900		
0.8	3.4	B	4AM55 42-5CJ10-0FA0	1.900	11.000	B	4AM55 42-5CJ10-0FA1	1.900	11.000		
1	5	B	4AM57 42-5CJ10-0FA0	2.000	14.000	B	4AM57 42-5CJ10-0FA1	2.000	14.000		
1.6	7.3	B	4AM61 42-5CJ10-0FA0	4.100	19.000	B	4AM61 42-5CJ10-0FA1	4.100	19.000		
2	9.7	B	4AM64 42-5CJ10-0FA0	4.700	23.000	B	4AM64 42-5CJ10-0FA1	4.700	23.000		
2.5	13.3	B	4AM65 42-5CJ10-0FA0	6.400	29.000	B	4AM65 42-5CJ10-0FA1	6.400	29.000		
4	16	C	4AT30 32-5CJ10-0FA0	9.900	30.300		--				
5	18.5	C	4AT36 12-5CJ10-0FA0	6.900	33.700		--				
6.3	22.5	C	4AT36 32-5CJ10-0FA0	11.300	39.600		--				
8	28.5	C	4AT39 12-5CJ10-0FA0	12.800	47.600		--				
10	30	C	4AT39 32-5CJ10-0FA0	22.100	57.100		--				
Degree of protection IP00, standard rail mounting⁴⁾											
0.063	0.19	B	4AM32 42-5CJ10-0FA0	0.240	1.400	B	4AM32 42-5CJ10-0FA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5CJ10-0FA0	0.260	2.000	B	4AM34 42-5CJ10-0FA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5CJ10-0FA0	0.320	2.700	B	4AM38 42-5CJ10-0FA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5CJ10-0FA0	0.590	3.700	B	4AM40 42-5CJ10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5CJ10-0FB0	0.670	4.500	B	4AM43 42-5CJ10-0FB1	0.670	4.500		
0.4	1.44	B	4AM46 42-5CJ10-0FB0	1.100	5.400	B	4AM46 42-5CJ10-0FB1	1.100	5.400		
0.5	2	B	4AM48 42-5CJ10-0FB0	1.100	7.000	B	4AM48 42-5CJ10-0FB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-5CJ10-0FC0	0.240	2.700	B	4AM32 42-5CJ10-0FC1	0.240	2.700		
0.09	0.31	B	4AM34 42-5CJ10-0FC0	0.260	3.300	B	4AM34 42-5CJ10-0FC1	0.260	3.300		
0.145	0.49	B	4AM38 42-5CJ10-0FC0	0.320	5.600	B	4AM38 42-5CJ10-0FC1	0.320	5.600		
0.225	0.85	B	4AM40 42-5CJ10-0FC0	0.590	6.600	B	4AM40 42-5CJ10-0FC1	0.590	6.600		
0.268	1.12	B	4AM43 42-5CJ10-0FC0	0.670	7.400	B	4AM43 42-5CJ10-0FC1	0.670	7.400		
0.34	1.44	B	4AM46 42-5CJ10-0FC0	1.100	8.300	B	4AM46 42-5CJ10-0FC1	1.100	8.300		
0.425	2	B	4AM48 42-5CJ10-0FC0	1.100	9.900	B	4AM48 42-5CJ10-0FC1	1.100	9.900		
0.535	2.35	B	4AM52 42-5CJ10-0FC0	1.700	10.800	B	4AM52 42-5CJ10-0FC1	1.700	10.800		
0.68	3.4	B	4AM55 42-5CJ10-0FC0	1.900	13.900	B	4AM55 42-5CJ10-0FC1	1.900	13.900		
0.85	5	B	4AM57 42-5CJ10-0FC0	2.000	16.900	B	4AM57 42-5CJ10-0FC1	2.000	16.900		
1.36	7.3	B	4AM61 42-5CJ10-0FC0	4.100	26.700	B	4AM61 42-5CJ10-0FC1	4.100	26.700		
1.7	9.7	B	4AM64 42-5CJ10-0FC0	4.700	30.700	B	4AM64 42-5CJ10-0FC1	4.700	30.700		
2.13	13.3	B	4AM65 42-5CJ10-0FC0	6.400	36.700	B	4AM65 42-5CJ10-0FC1	6.400	36.700		
3.6	16	C	4AT30 32-5CJ10-0FC0	9.900	38.000		--				
4.5	18.5	C	4AT36 12-5CJ10-0FC0	6.900	41.400		--				
5.6	22.5	C	4AT36 32-5CJ10-0FC0	11.300	47.300		--				
7.1	28.5	C	4AT39 12-5CJ10-0FC0	12.800	61.800		--				
9	30	C	4AT39 32-5CJ10-0FC0	22.100	71.000		--				
Degree of protection IP54											
0.05	0.19	B	4AM32 42-5CJ10-0FD0	0.240	2.700	B	4AM32 42-5CJ10-0FD1	0.240	2.700		
0.08	0.31	B	4AM34 42-5CJ10-0FD0	0.260	3.300	B	4AM34 42-5CJ10-0FD1	0.260	3.300		
0.128	0.49	B	4AM38 42-5CJ10-0FD0	0.320	5.600	B	4AM38 42-5CJ10-0FD1	0.320	5.600		
0.2	0.85	B	4AM40 42-5CJ10-0FD0	0.590	6.600	B	4AM40 42-5CJ10-0FD1	0.590	6.600		
0.236	1.12	B	4AM43 42-5CJ10-0FD0	0.670	7.400	B	4AM43 42-5CJ10-0FD1	0.670	7.400		
0.3	1.44	B	4AM46 42-5CJ10-0FD0	1.100	8.300	B	4AM46 42-5CJ10-0FD1	1.100	8.300		
0.375	2	B	4AM48 42-5CJ10-0FD0	1.100	9.900	B	4AM48 42-5CJ10-0FD1	1.100	9.900		
0.475	2.35	B	4AM52 42-5CJ10-0FD0	1.700	10.800	B	4AM52 42-5CJ10-0FD1	1.700	10.800		
0.6	3.4	B	4AM55 42-5CJ10-0FD0	1.900	13.900	B	4AM55 42-5CJ10-0FD1	1.900	13.900		
0.75	5	B	4AM57 42-5CJ10-0FD0	2.000	16.900	B	4AM57 42-5CJ10-0FD1	2.000	16.900		
1.2	7.3	B	4AM61 42-5CJ10-0FD0	4.100	26.700	B	4AM61 42-5CJ10-0FD1	4.100	26.700		
1.5	9.7	B	4AM64 42-5CJ10-0FD0	4.700	30.700	B	4AM64 42-5CJ10-0FD1	4.700	30.700		
1.875	13.3	B	4AM65 42-5CJ10-0FD0	6.400	36.700	B	4AM65 42-5CJ10-0FD1	6.400	36.700		
3.15	16	C	4AT30 32-5CJ10-0FD0	9.900	38.000		--				
4	18.5	C	4AT36 12-5CJ10-0FD0	6.900	41.400		--				
5	22.5	C	4AT36 32-5CJ10-0FD0	11.300	47.300		--				
6.3	28.5	C	4AT39 12-5CJ10-0FD0	12.800	61.800		--				
8	30	C	4AT39 32-5CJ10-0FD0	22.100	71.000		--				

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".³⁾ The 4AT types are only supplied with screw terminals.⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 440 V ± 5 %,
rated output voltage U_{2N} 2 × 115 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	Short-time rating $P_{short.}$ kVA	DT ²⁾	Screw terminals ^{3)/} flat connectors ³⁾		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU		
Degree of protection IP00, standard version⁴⁾						
0.063	0.19	B	4AM32 42-5CD40-0FA0	0.240	1.400	
0.1	0.31	B	4AM34 42-5CD40-0FA0	0.260	2.000	
0.16	0.49	B	4AM38 42-5CD40-0FA0	0.320	2.700	
0.25	0.85	B	4AM40 42-5CD40-0FA0	0.590	3.700	
0.315	1.12	B	4AM43 42-5CD40-0FA0	0.670	4.500	
0.4	1.44	B	4AM46 42-5CD40-0FA0	1.100	5.400	
0.5	2	B	4AM48 42-5CD40-0FA0	1.100	7.000	
0.63	2.35	B	4AM52 42-5CD40-0FA0	1.700	7.900	
0.8	3.4	B	4AM55 42-5CD40-0FA0	1.900	11.000	
1	5	B	4AM57 42-5CD40-0FA0	2.000	14.000	
1.6	7.3	B	4AM61 42-5CD40-0FA0	4.100	19.000	
2	9.7	B	4AM64 42-5CD40-0FA0	4.700	23.000	
2.5	13.3	B	4AM65 42-5CD40-0FA0	6.400	29.000	
4	16	C	4AT30 32-5CD40-0FA0	9.900	30.300	
5	18.5	C	4AT36 12-5CD40-0FA0	6.900	33.700	
6.3	22.5	C	4AT36 32-5CD40-0FA0	11.300	39.600	
8	28.5	C	4AT39 12-5CD40-0FA0	12.800	47.900	
10	30	C	4AT39 32-5CD40-0FA0	22.100	57.100	
Degree of protection IP00, standard rail mounting⁴⁾						
0.063	0.19	B	4AM32 42-5CD40-0FA0	0.240	1.400	
0.1	0.31	B	4AM34 42-5CD40-0FA0	0.260	2.000	
0.16	0.49	B	4AM38 42-5CD40-0FA0	0.320	2.700	
0.25	0.85	B	4AM40 42-5CD40-0FA0	0.590	3.700	
0.315	1.12	B	4AM43 42-5CD40-0FB0	0.670	4.500	
0.4	1.44	B	4AM46 42-5CD40-0FB0	1.100	5.400	
0.5	2	B	4AM48 42-5CD40-0FB0	1.100	7.000	
Degree of protection IP23						
0.057	0.19	B	4AM32 42-5CD40-0FC0	0.240	2.700	
0.09	0.31	B	4AM34 42-5CD40-0FC0	0.260	3.300	
0.145	0.49	B	4AM38 42-5CD40-0FC0	0.320	5.600	
0.225	0.85	B	4AM40 42-5CD40-0FC0	0.590	6.600	
0.268	1.12	B	4AM43 42-5CD40-0FC0	0.670	7.400	
0.34	1.44	B	4AM46 42-5CD40-0FC0	1.100	8.300	
0.425	2	B	4AM48 42-5CD40-0FC0	1.100	9.900	
0.535	2.35	B	4AM52 42-5CD40-0FC0	1.700	10.800	
0.68	3.4	B	4AM55 42-5CD40-0FC0	1.900	13.900	
0.85	5	B	4AM57 42-5CD40-0FC0	2.000	16.900	
1.36	7.3	B	4AM61 42-5CD40-0FC0	4.100	26.700	
1.7	9.7	B	4AM64 42-5CD40-0FC0	4.700	30.700	
2.13	13.3	B	4AM65 42-5CD40-0FC0	6.400	36.700	
3.6	16	C	4AT30 32-5CD40-0FC0	9.900	38.000	
4.5	18.5	C	4AT36 12-5CD40-0FC0	6.900	41.400	
5.6	22.5	C	4AT36 32-5CD40-0FC0	11.300	47.300	
7.1	28.5	C	4AT39 12-5CD40-0FC0	12.800	61.800	
9	30	C	4AT39 32-5CD40-0FC0	22.100	71.000	
Degree of protection IP54						
0.05	0.19	B	4AM32 42-5CD40-0FD0	0.240	2.700	
0.08	0.31	B	4AM34 42-5CD40-0FD0	0.260	3.300	
0.128	0.49	B	4AM38 42-5CD40-0FD0	0.320	5.600	
0.2	0.85	B	4AM40 42-5CD40-0FD0	0.590	6.600	
0.236	1.12	B	4AM43 42-5CD40-0FD0	0.670	7.400	
0.3	1.44	B	4AM46 42-5CD40-0FD0	1.100	8.300	
0.375	2	B	4AM48 42-5CD40-0FD0	1.100	9.900	
0.475	2.35	B	4AM52 42-5CD40-0FD0	1.700	10.800	
0.6	3.4	B	4AM55 42-5CD40-0FD0	1.900	13.900	
0.75	5	B	4AM57 42-5CD40-0FD0	2.000	16.900	
1.2	7.3	B	4AM61 42-5CD40-0FD0	4.100	26.700	
1.5	9.7	B	4AM64 42-5CD40-0FD0	4.700	30.700	
1.875	13.3	B	4AM65 42-5CD40-0FD0	6.400	36.700	
3.15	16	C	4AT30 32-5CD40-0FD0	9.900	38.000	
4	18.5	C	4AT36 12-5CD40-0FD0	6.900	41.400	
5	22.5	C	4AT36 32-5CD40-0FD0	11.300	47.300	
6.3	28.5	C	4AT39 12-5CD40-0FD0	12.800	61.800	
8	30	C	4AT39 32-5CD40-0FD0	22.100	71.000	

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 440 V ± 5 %,
rated output voltage U_{2N} 230 V

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA										
Degree of protection IP00, standard version⁴⁾											
0.063	0.19	►	4AM32 42-5CT10-0FA0	0.240	1.400	B	4AM32 42-5CT10-0FA1	0.240	1.400		
0.1	0.31	►	4AM34 42-5CT10-0FA0	0.260	2.000	B	4AM34 42-5CT10-0FA1	0.260	2.000		
0.16	0.49	►	4AM38 42-5CT10-0FA0	0.320	2.700	B	4AM38 42-5CT10-0FA1	0.320	2.700		
0.25	0.85	►	4AM40 42-5CT10-0FA0	0.590	3.700	B	4AM40 42-5CT10-0FA1	0.590	3.700		
0.315	1.12	►	4AM43 42-5CT10-0FA0	0.670	4.500	B	4AM43 42-5CT10-0FA1	0.670	4.500		
0.4	1.44	►	4AM46 42-5CT10-0FA0	1.100	5.400	B	4AM46 42-5CT10-0FA1	1.100	5.400		
0.5	2	►	4AM48 42-5CT10-0FA0	1.100	7.000	B	4AM48 42-5CT10-0FA1	1.100	7.000		
0.63	2.35	►	4AM52 42-5CT10-0FA0	1.700	7.900	B	4AM52 42-5CT10-0FA1	1.700	7.900		
0.8	3.4	►	4AM55 42-5CT10-0FA0	1.900	11.000	B	4AM55 42-5CT10-0FA1	1.900	11.000		
1	5	►	4AM57 42-5CT10-0FA0	2.000	14.000	B	4AM57 42-5CT10-0FA1	2.000	14.000		
1.6	7.3	►	4AM61 42-5CT10-0FA0	4.100	19.000	B	4AM61 42-5CT10-0FA1	4.100	19.000		
2	9.7	►	4AM64 42-5CT10-0FA0	4.700	23.000	B	4AM64 42-5CT10-0FA1	4.700	23.000		
2.5	13.3	B	4AM65 42-5CT10-0FA0	6.400	29.000	B	4AM65 42-5CT10-0FA1	6.400	29.000		
4	16	C	4AT30 32-5CT10-0FA0	9.900	30.300		--				
5	18.5	C	4AT36 12-5CT10-0FA0	6.900	33.700		--				
6.3	22.5	C	4AT36 32-5CT10-0FA0	11.300	39.600		--				
8	28.5	C	4AT39 12-5CT10-0FA0	12.800	47.900		--				
10	30	C	4AT39 32-5CT10-0FA0	22.100	57.100		--				
Degree of protection IP00, standard rail mounting⁴⁾											
0.063	0.19	►	4AM32 42-5CT10-0FA0	0.240	1.400	B	4AM32 42-5CT10-0FA1	0.240	1.400		
0.1	0.31	►	4AM34 42-5CT10-0FA0	0.260	2.000	B	4AM34 42-5CT10-0FA1	0.260	2.000		
0.16	0.49	►	4AM38 42-5CT10-0FA0	0.320	2.700	B	4AM38 42-5CT10-0FA1	0.320	2.700		
0.25	0.85	►	4AM40 42-5CT10-0FA0	0.590	3.700	B	4AM40 42-5CT10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5CT10-0FB0	0.670	4.500	B	4AM43 42-5CT10-0FB1	0.670	4.500		
0.4	1.44	B	4AM46 42-5CT10-0FB0	1.100	5.400	B	4AM46 42-5CT10-0FB1	1.100	5.400		
0.5	2	B	4AM48 42-5CT10-0FB0	1.100	7.000	B	4AM48 42-5CT10-0FB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-5CT10-0FC0	0.240	2.700	B	4AM32 42-5CT10-0FC1	0.240	2.700		
0.09	0.31	B	4AM34 42-5CT10-0FC0	0.260	3.300	B	4AM34 42-5CT10-0FC1	0.260	3.300		
0.145	0.49	B	4AM38 42-5CT10-0FC0	0.320	5.600	B	4AM38 42-5CT10-0FC1	0.320	5.600		
0.225	0.85	B	4AM40 42-5CT10-0FC0	0.590	6.600	B	4AM40 42-5CT10-0FC1	0.590	6.600		
0.268	1.12	B	4AM43 42-5CT10-0FC0	0.670	7.400	B	4AM43 42-5CT10-0FC1	0.670	7.400		
0.34	1.44	B	4AM46 42-5CT10-0FC0	1.100	8.300	B	4AM46 42-5CT10-0FC1	1.100	8.300		
0.425	2	B	4AM48 42-5CT10-0FC0	1.100	9.900	B	4AM48 42-5CT10-0FC1	1.100	9.900		
0.535	2.35	B	4AM52 42-5CT10-0FC0	1.700	10.800	B	4AM52 42-5CT10-0FC1	1.700	10.800		
0.68	3.4	B	4AM55 42-5CT10-0FC0	1.900	13.900	B	4AM55 42-5CT10-0FC1	1.900	13.900		
0.85	5	B	4AM57 42-5CT10-0FC0	2.000	16.900	B	4AM57 42-5CT10-0FC1	2.000	16.900		
1.36	7.3	B	4AM61 42-5CT10-0FC0	4.100	26.700	B	4AM61 42-5CT10-0FC1	4.100	26.700		
1.7	9.7	B	4AM64 42-5CT10-0FC0	4.700	30.700	B	4AM64 42-5CT10-0FC1	4.700	30.700		
2.13	13.3	B	4AM65 42-5CT10-0FC0	6.400	36.700	B	4AM65 42-5CT10-0FC1	6.400	36.700		
3.6	16	C	4AT30 32-5CT10-0FC0	9.900	38.000		--				
4.5	18.5	C	4AT36 12-5CT10-0FC0	6.900	41.400		--				
5.6	22.5	C	4AT36 32-5CT10-0FC0	11.300	47.300		--				
7.1	28.5	C	4AT39 12-5CT10-0FC0	12.800	61.800		--				
9	30	C	4AT39 32-5CT10-0FC0	22.100	71.000		--				
Degree of protection IP54											
0.05	0.19	B	4AM32 42-5CT10-0FD0	0.240	2.700	B	4AM32 42-5CT10-0FD1	0.240	2.700		
0.08	0.31	B	4AM34 42-5CT10-0FD0	0.260	3.300	B	4AM34 42-5CT10-0FD1	0.260	3.300		
0.128	0.49	B	4AM38 42-5CT10-0FD0	0.320	5.600	B	4AM38 42-5CT10-0FD1	0.320	5.600		
0.2	0.85	B	4AM40 42-5CT10-0FD0	0.590	6.600	B	4AM40 42-5CT10-0FD1	0.590	6.600		
0.236	1.12	B	4AM43 42-5CT10-0FD0	0.670	7.400	B	4AM43 42-5CT10-0FD1	0.670	7.400		
0.3	1.44	B	4AM46 42-5CT10-0FD0	1.100	8.300	B	4AM46 42-5CT10-0FD1	1.100	8.300		
0.375	2	B	4AM48 42-5CT10-0FD0	1.100	9.900	B	4AM48 42-5CT10-0FD1	1.100	9.900		
0.475	2.35	B	4AM52 42-5CT10-0FD0	1.700	10.800	B	4AM52 42-5CT10-0FD1	1.700	10.800		
0.6	3.4	B	4AM55 42-5CT10-0FD0	1.900	13.900	B	4AM55 42-5CT10-0FD1	1.900	13.900		
0.75	5	B	4AM57 42-5CT10-0FD0	2.000	16.900	B	4AM57 42-5CT10-0FD1	2.000	16.900		
1.2	7.3	B	4AM61 42-5CT10-0FD0	4.100	26.700	B	4AM61 42-5CT10-0FD1	4.100	26.700		
1.5	9.7	B	4AM64 42-5CT10-0FD0	4.700	30.700	B	4AM64 42-5CT10-0FD1	4.700	30.700		
1.875	13.3	B	4AM65 42-5CT10-0FD0	6.400	36.700	B	4AM65 42-5CT10-0FD1	6.400	36.700		
3.15	16	C	4AT30 32-5CT10-0FD0	9.900	38.000		--				
4	18.5	C	4AT36 12-5CT10-0FD0	6.900	41.400		--				
5	22.5	C	4AT36 32-5CT10-0FD0	11.300	47.300		--				
6.3	28.5	C	4AT39 12-5CT10-0FD0	12.800	61.800		--				
8	30	C	4AT39 32-5CT10-0FD0	22.100	71.000		--				

1) For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

2) The delivery time class depends on the quantity, see page 10/4 "Options".

3) The 4AT types are only supplied with screw terminals.

* You can order this quantity or a multiple thereof.

4) For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 500 V ± 5 %,
rated output voltage U_{2N} 110 V

c_Wus, Ø, △, Ø

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{\text{shortt.}}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾		Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA				kg	kg				kg	kg
Degree of protection IP00, standard version⁴⁾											
0.063	0.19	B	4AM32 42-5FJ10-0FA0	0.240	1.400	B	4AM32 42-5FJ10-0FA1	0.300	1.400		
0.1	0.31	B	4AM34 42-5FJ10-0FA0	0.260	2.000	B	4AM34 42-5FJ10-0FA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5FJ10-0FA0	0.340	2.700	B	4AM38 42-5FJ10-0FA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5FJ10-0FA0	0.590	3.700	B	4AM40 42-5FJ10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5FJ10-0FA0	0.670	4.500	B	4AM43 42-5FJ10-0FA1	0.670	4.500		
0.4	1.44	B	4AM46 42-5FJ10-0FA0	1.100	5.400	B	4AM46 42-5FJ10-0FA1	1.100	5.400		
0.5	2	B	4AM48 42-5FJ10-0FA0	1.100	7.000	B	4AM48 42-5FJ10-0FA1	1.100	7.000		
0.63	2.35	B	4AM52 42-5FJ10-0FA0	1.700	7.900	B	4AM52 42-5FJ10-0FA1	1.700	7.900		
0.8	3.4	B	4AM55 42-5FJ10-0FA0	1.900	11.000	B	4AM55 42-5FJ10-0FA1	1.900	11.000		
1	5	B	4AM57 42-5FJ10-0FA0	2.000	14.000	B	4AM57 42-5FJ10-0FA1	2.000	14.000		
1.6	7.3	B	4AM61 42-5FJ10-0FA0	4.100	19.000	B	4AM61 42-5FJ10-0FA1	4.100	19.000		
2	9.7	B	4AM64 42-5FJ10-0FA0	4.700	23.000	B	4AM64 42-5FJ10-0FA1	4.700	23.000		
2.5	13.3	B	4AM65 42-5FJ10-0FA0	6.400	29.000	B	4AM65 42-5FJ10-0FA1	6.400	29.000		
4	16	C	4AT30 32-5FJ10-0FA0	9.900	30.300	--					
5	18.5	C	4AT36 12-5FJ10-0FA0	6.900	33.700	--					
6.3	22.5	C	4AT36 32-5FJ10-0FA0	11.300	39.600	--					
8	28.5	C	4AT39 12-5FJ10-0FA0	12.800	47.900	--					
10	30	C	4AT39 32-5FJ10-0FA0	22.100	57.100	--					
Degree of protection IP00, standard rail mounting⁴⁾											
0.063	0.19	B	4AM32 42-5FJ10-0FA0	0.240	1.400	B	4AM32 42-5FJ10-0FA1	0.300	1.400		
0.1	0.31	B	4AM34 42-5FJ10-0FA0	0.260	2.000	B	4AM34 42-5FJ10-0FA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5FJ10-0FA0	0.340	2.700	B	4AM38 42-5FJ10-0FA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5FJ10-0FA0	0.590	3.700	B	4AM40 42-5FJ10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5FJ10-0FB0	0.670	4.500	B	4AM43 42-5FJ10-0FB1	0.670	4.500		
0.4	1.44	B	4AM46 42-5FJ10-0FB0	1.100	5.400	B	4AM46 42-5FJ10-0FB1	1.100	5.400		
0.5	2	B	4AM48 42-5FJ10-0FB0	1.100	7.000	B	4AM48 42-5FJ10-0FB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-5FJ10-0FC0	0.240	2.700	B	4AM32 42-5FJ10-0FC1	0.240	2.700		
0.09	0.31	B	4AM34 42-5FJ10-0FC0	0.260	3.300	B	4AM34 42-5FJ10-0FC1	0.260	3.300		
0.145	0.49	B	4AM38 42-5FJ10-0FC0	0.320	5.600	B	4AM38 42-5FJ10-0FC1	0.320	5.600		
0.225	0.85	B	4AM40 42-5FJ10-0FC0	0.590	6.600	B	4AM40 42-5FJ10-0FC1	0.590	6.600		
0.268	1.12	B	4AM43 42-5FJ10-0FC0	0.670	7.400	B	4AM43 42-5FJ10-0FC1	0.670	7.400		
0.34	1.44	B	4AM46 42-5FJ10-0FC0	1.100	8.300	B	4AM46 42-5FJ10-0FC1	1.100	8.300		
0.425	2	B	4AM48 42-5FJ10-0FC0	1.100	9.900	B	4AM48 42-5FJ10-0FC1	1.100	9.900		
0.535	2.35	B	4AM52 42-5FJ10-0FC0	1.700	10.800	B	4AM52 42-5FJ10-0FC1	1.700	10.800		
0.68	3.4	B	4AM55 42-5FJ10-0FC0	1.900	13.900	B	4AM55 42-5FJ10-0FC1	1.900	13.900		
0.85	5	B	4AM57 42-5FJ10-0FC0	2.000	16.900	B	4AM57 42-5FJ10-0FC1	2.000	16.900		
1.36	7.3	B	4AM61 42-5FJ10-0FC0	4.100	26.700	B	4AM61 42-5FJ10-0FC1	4.100	26.700		
1.7	9.7	B	4AM64 42-5FJ10-0FC0	4.700	30.700	B	4AM64 42-5FJ10-0FC1	4.700	30.700		
2.13	13.3	B	4AM65 42-5FJ10-0FC0	6.400	36.700	B	4AM65 42-5FJ10-0FC1	6.400	36.700		
3.6	16	C	4AT30 32-5FJ10-0FC0	9.900	38.000	--					
4.5	18.5	C	4AT36 12-5FJ10-0FC0	6.900	41.400	--					
5.6	22.5	C	4AT36 32-5FJ10-0FC0	11.300	47.300	--					
7.1	28.5	C	4AT39 12-5FJ10-0FC0	12.800	61.800	--					
9	30	C	4AT39 32-5FJ10-0FC0	22.100	71.000	--					
Degree of protection IP54											
0.05	0.19	B	4AM32 42-5FJ10-0FD0	0.240	2.700	B	4AM32 42-5FJ10-0FD1	0.240	2.700		
0.08	0.31	B	4AM34 42-5FJ10-0FD0	0.260	3.300	B	4AM34 42-5FJ10-0FD1	0.260	3.300		
0.128	0.49	B	4AM38 42-5FJ10-0FD0	0.320	5.600	B	4AM38 42-5FJ10-0FD1	0.320	5.600		
0.2	0.85	B	4AM40 42-5FJ10-0FD0	0.590	6.600	B	4AM40 42-5FJ10-0FD1	0.590	6.600		
0.236	1.12	B	4AM43 42-5FJ10-0FD0	0.670	7.400	B	4AM43 42-5FJ10-0FD1	0.670	7.400		
0.3	1.44	B	4AM46 42-5FJ10-0FD0	1.100	8.300	B	4AM46 42-5FJ10-0FD1	1.100	8.300		
0.375	2	B	4AM48 42-5FJ10-0FD0	1.100	9.900	B	4AM48 42-5FJ10-0FD1	1.100	9.900		
0.475	2.35	B	4AM52 42-5FJ10-0FD0	1.700	10.800	B	4AM52 42-5FJ10-0FD1	1.700	10.800		
0.6	3.4	B	4AM55 42-5FJ10-0FD0	1.900	13.900	B	4AM55 42-5FJ10-0FD1	1.900	13.900		
0.75	5	B	4AM57 42-5FJ10-0FD0	2.000	16.900	B	4AM57 42-5FJ10-0FD1	2.000	16.900		
1.2	7.3	B	4AM61 42-5FJ10-0FD0	4.100	26.700	B	4AM61 42-5FJ10-0FD1	4.100	26.700		
1.5	9.7	B	4AM64 42-5FJ10-0FD0	4.700	30.700	B	4AM64 42-5FJ10-0FD1	4.700	30.700		
1.875	13.3	B	4AM65 42-5FJ10-0FD0	6.400	36.700	B	4AM65 42-5FJ10-0FD1	6.400	36.700		
3.15	16	C	4AT30 32-5FJ10-0FD0	9.900	38.000	--					
4	18.5	C	4AT36 12-5FJ10-0FD0	6.900	41.400	--					
5	22.5	C	4AT36 32-5FJ10-0FD0	11.300	47.300	--					
6.3	28.5	C	4AT39 12-5FJ10-0FD0	12.800	61.800	--					
8	30	C	4AT39 32-5FJ10-0FD0	22.100	71.000	--					

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT
isolating, control and mains transformers

With one input voltage

**Rated input voltage U_{1N} 500 V ± 5 %,
rated output voltage U_{2N} 2 × 115 V**



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	Short-time rating $P_{short.}$ kVA	DT ²⁾	Screw terminals ^{3)/} flat connectors ³⁾		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU		
Degree of protection IP00, standard version⁴⁾						
0.063	0.19	B	4AM32 42-5FD40-0FA0	0.240	1.400	
0.1	0.31	B	4AM34 42-5FD40-0FA0	0.260	2.000	
0.16	0.49	B	4AM38 42-5FD40-0FA0	0.320	2.700	
0.25	0.85	B	4AM40 42-5FD40-0FA0	0.590	3.700	
0.315	1.12	B	4AM43 42-5FD40-0FA0	0.670	4.500	
0.4	1.44	B	4AM46 42-5FD40-0FA0	1.100	5.400	
0.5	2	B	4AM48 42-5FD40-0FA0	1.100	7.000	
0.63	2.35	B	4AM52 42-5FD40-0FA0	1.700	7.900	
0.8	3.4	B	4AM55 42-5FD40-0FA0	1.900	11.000	
1	5	B	4AM57 42-5FD40-0FA0	2.000	14.000	
1.6	7.3	B	4AM61 42-5FD40-0FA0	4.100	19.000	
2	9.7	B	4AM64 42-5FD40-0FA0	4.700	23.000	
2.5	13.3	B	4AM65 42-5FD40-0FA0	6.400	29.000	
4	16	C	4AT30 32-5FD40-0FA0	9.900	30.300	
5	18.5	C	4AT36 12-5FD40-0FA0	6.900	33.700	
6.3	22.5	C	4AT36 32-5FD40-0FA0	11.300	39.600	
8	28.5	C	4AT39 12-5FD40-0FA0	12.800	47.900	
10	30	C	4AT39 32-5FD40-0FA0	22.100	57.100	
Degree of protection IP00, standard rail mounting⁴⁾						
0.063	0.19	B	4AM32 42-5FD40-0FA0	0.240	1.400	
0.1	0.31	B	4AM34 42-5FD40-0FA0	0.260	2.000	
0.16	0.49	B	4AM38 42-5FD40-0FA0	0.320	2.700	
0.25	0.85	B	4AM40 42-5FD40-0FA0	0.590	3.700	
0.315	1.12	B	4AM43 42-5FD40-0FB0	0.670	4.500	
0.4	1.44	B	4AM46 42-5FD40-0FB0	1.100	5.400	
0.5	2	B	4AM48 42-5FD40-0FB0	1.100	7.000	
Degree of protection IP23						
0.057	0.19	B	4AM32 42-5FD40-0FC0	0.240	2.700	
0.09	0.31	B	4AM34 42-5FD40-0FC0	0.260	3.300	
0.145	0.49	B	4AM38 42-5FD40-0FC0	0.320	5.600	
0.225	0.85	B	4AM40 42-5FD40-0FC0	0.590	6.600	
0.268	1.12	B	4AM43 42-5FD40-0FC0	0.670	7.400	
0.34	1.44	B	4AM46 42-5FD40-0FC0	1.100	8.300	
0.425	2	B	4AM48 42-5FD40-0FC0	1.100	9.900	
0.535	2.35	B	4AM52 42-5FD40-0FC0	1.700	10.800	
0.68	3.4	B	4AM55 42-5FD40-0FC0	1.900	13.900	
0.85	5	B	4AM57 42-5FD40-0FC0	2.000	16.900	
1.36	7.3	B	4AM61 42-5FD40-0FC0	4.100	26.700	
1.7	9.7	B	4AM64 42-5FD40-0FC0	4.700	30.700	
2.13	13.3	B	4AM65 42-5FD40-0FC0	6.400	36.700	
3.6	16	C	4AT30 32-5FD40-0FC0	9.900	38.000	
4.5	18.5	C	4AT36 12-5FD40-0FC0	6.900	41.400	
5.6	22.5	C	4AT36 32-5FD40-0FC0	11.300	47.300	
7.1	28.5	C	4AT39 12-5FD40-0FC0	12.800	61.800	
9	30	C	4AT39 32-5FD40-0FC0	22.100	71.000	
Degree of protection IP54						
0.05	0.19	B	4AM32 42-5FD40-0FD0	0.240	2.700	
0.08	0.31	B	4AM34 42-5FD40-0FD0	0.260	3.300	
0.128	0.49	B	4AM38 42-5FD40-0FD0	0.320	5.600	
0.2	0.85	B	4AM40 42-5FD40-0FD0	0.590	6.600	
0.236	1.12	B	4AM43 42-5FD40-0FD0	0.670	7.400	
0.3	1.44	B	4AM46 42-5FD40-0FD0	1.100	8.300	
0.375	2	B	4AM48 42-5FD40-0FD0	1.100	9.900	
0.475	2.35	B	4AM52 42-5FD40-0FD0	1.700	10.800	
0.6	3.4	B	4AM55 42-5FD40-0FD0	1.900	13.900	
0.75	5	B	4AM57 42-5FD40-0FD0	2.000	16.900	
1.2	7.3	B	4AM61 42-5FD40-0FD0	4.100	26.700	
1.5	9.7	B	4AM64 42-5FD40-0FD0	4.700	30.700	
1.875	13.3	B	4AM65 42-5FD40-0FD0	6.400	36.700	
3.15	16	C	4AT30 32-5FD40-0FD0	9.900	38.000	
4	18.5	C	4AT36 12-5FD40-0FD0	6.900	41.400	
5	22.5	C	4AT36 32-5FD40-0FD0	11.300	47.300	
6.3	28.5	C	4AT39 12-5FD40-0FD0	12.800	61.800	
8	30	C	4AT39 32-5FD40-0FD0	22.100	71.000	

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

* You can order this quantity or a multiple thereof.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 500 V ± 5 %,
rated output voltage U_{2N} 230 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾			Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version⁴⁾													
0.063	0.19	►	4AM32 42-5FT10-0FA0	0.240	1.400	B	4AM32 42-5FT10-0FA1	0.240	1.400				
0.1	0.31	►	4AM34 42-5FT10-0FA0	0.260	2.000	B	4AM34 42-5FT10-0FA1	0.260	2.000				
0.16	0.49	►	4AM38 42-5FT10-0FA0	0.320	2.700	B	4AM38 42-5FT10-0FA1	0.320	2.700				
0.25	0.85	►	4AM40 42-5FT10-0FA0	0.590	3.700	B	4AM40 42-5FT10-0FA1	0.590	3.700				
0.315	1.12	►	4AM43 42-5FT10-0FA0	0.670	4.500	B	4AM43 42-5FT10-0FA1	0.670	4.500				
0.4	1.44	►	4AM46 42-5FT10-0FA0	1.100	5.400	B	4AM46 42-5FT10-0FA1	1.100	5.400				
0.5	2	►	4AM48 42-5FT10-0FA0	1.100	7.000	B	4AM48 42-5FT10-0FA1	1.100	7.000				
0.63	2.35	►	4AM52 42-5FT10-0FA0	1.700	7.900	B	4AM52 42-5FT10-0FA1	1.700	7.900				
0.8	3.4	►	4AM55 42-5FT10-0FA0	1.900	11.000	B	4AM55 42-5FT10-0FA1	1.800	11.000				
1	5	►	4AM57 42-5FT10-0FA0	2.000	14.000	B	4AM57 42-5FT10-0FA1	2.000	14.000				
1.6	7.3	►	4AM61 42-5FT10-0FA0	4.100	19.000	B	4AM61 42-5FT10-0FA1	4.100	19.000				
2	9.7	►	4AM64 42-5FT10-0FA0	4.700	23.000	B	4AM64 42-5FT10-0FA1	4.700	23.000				
2.5	13.3	►	4AM65 42-5FT10-0FA0	6.400	29.000	B	4AM65 42-5FT10-0FA1	6.400	29.000				
4	16	►	4AT30 32-5FT10-0FA0	9.900	30.300		--						
5	18.5	C	4AT36 12-5FT10-0FA0	6.900	33.700		--						
6.3	22.5	C	4AT36 32-5FT10-0FA0	11.300	39.600		--						
8	28.5	C	4AT39 12-5FT10-0FA0	12.800	47.900		--						
10	30	C	4AT39 32-5FT10-0FA0	22.100	57.100		--						
Degree of protection IP00, standard rail mounting⁴⁾													
0.063	0.19	►	4AM32 42-5FT10-0FA0	0.240	1.400	B	4AM32 42-5FT10-0FA1	0.240	1.400				
0.1	0.31	►	4AM34 42-5FT10-0FA0	0.260	2.000	B	4AM34 42-5FT10-0FA1	0.260	2.000				
0.16	0.49	►	4AM38 42-5FT10-0FA0	0.320	2.700	B	4AM38 42-5FT10-0FA1	0.320	2.700				
0.25	0.85	►	4AM40 42-5FT10-0FA0	0.590	3.700	B	4AM40 42-5FT10-0FA1	0.590	3.700				
0.315	1.12	B	4AM43 42-5FT10-0FB0	0.670	4.500	B	4AM43 42-5FT10-0FB1	0.670	4.500				
0.4	1.44	B	4AM46 42-5FT10-0FB0	1.100	5.400	B	4AM46 42-5FT10-0FB1	1.100	5.400				
0.5	2	B	4AM48 42-5FT10-0FB0	1.100	7.000	B	4AM48 42-5FT10-0FB1	1.040	7.000				
Degree of protection IP23													
0.057	0.19	B	4AM32 42-5FT10-0FC0	0.240	2.700	B	4AM32 42-5FT10-0FC1	0.240	2.700				
0.09	0.31	B	4AM34 42-5FT10-0FC0	0.260	3.300	B	4AM34 42-5FT10-0FC1	0.260	3.300				
0.145	0.49	B	4AM38 42-5FT10-0FC0	0.320	5.600	B	4AM38 42-5FT10-0FC1	0.320	5.600				
0.225	0.85	B	4AM40 42-5FT10-0FC0	0.590	6.600	B	4AM40 42-5FT10-0FC1	0.590	6.600				
0.268	1.12	B	4AM43 42-5FT10-0FC0	0.670	7.400	B	4AM43 42-5FT10-0FC1	0.670	7.400				
0.34	1.44	B	4AM46 42-5FT10-0FC0	1.100	8.300	B	4AM46 42-5FT10-0FC1	1.100	8.300				
0.425	2	B	4AM48 42-5FT10-0FC0	1.100	9.900	B	4AM48 42-5FT10-0FC1	1.100	9.900				
0.535	2.35	B	4AM52 42-5FT10-0FC0	1.700	10.800	B	4AM52 42-5FT10-0FC1	1.700	10.800				
0.68	3.4	B	4AM55 42-5FT10-0FC0	1.900	13.900	B	4AM55 42-5FT10-0FC1	1.900	13.900				
0.85	5	B	4AM57 42-5FT10-0FC0	2.000	16.900	B	4AM57 42-5FT10-0FC1	2.000	16.900				
1.36	7.3	B	4AM61 42-5FT10-0FC0	4.100	26.700	B	4AM61 42-5FT10-0FC1	4.100	26.700				
1.7	9.7	B	4AM64 42-5FT10-0FC0	4.700	30.700	B	4AM64 42-5FT10-0FC1	4.700	30.700				
2.13	13.3	B	4AM65 42-5FT10-0FC0	6.400	36.700	B	4AM65 42-5FT10-0FC1	6.400	36.700				
3.6	16	C	4AT30 32-5FT10-0FC0	9.900	38.000		--						
4.5	18.5	C	4AT36 12-5FT10-0FC0	6.900	41.400		--						
5.6	22.5	C	4AT36 32-5FT10-0FC0	11.300	47.300		--						
7.1	28.5	C	4AT39 12-5FT10-0FC0	12.800	61.800		--						
9	30	C	4AT39 32-5FT10-0FC0	22.100	71.000		--						
Degree of protection IP54													
0.05	0.19	B	4AM32 42-5FT10-0FD0	0.240	2.700	B	4AM32 42-5FT10-0FD1	0.240	2.700				
0.08	0.31	B	4AM34 42-5FT10-0FD0	0.260	3.300	B	4AM34 42-5FT10-0FD1	0.260	3.300				
0.128	0.49	B	4AM38 42-5FT10-0FD0	0.320	5.600	B	4AM38 42-5FT10-0FD1	0.320	5.600				
0.2	0.85	B	4AM40 42-5FT10-0FD0	0.590	6.600	B	4AM40 42-5FT10-0FD1	0.590	6.600				
0.236	1.12	B	4AM43 42-5FT10-0FD0	0.670	7.400	B	4AM43 42-5FT10-0FD1	0.670	7.400				
0.3	1.44	B	4AM46 42-5FT10-0FD0	1.100	8.300	B	4AM46 42-5FT10-0FD1	1.100	8.300				
0.375	2	B	4AM48 42-5FT10-0FD0	1.100	9.900	B	4AM48 42-5FT10-0FD1	1.100	9.900				
0.475	2.35	B	4AM52 42-5FT10-0FD0	1.700	10.800	B	4AM52 42-5FT10-0FD1	1.700	10.800				
0.6	3.4	B	4AM55 42-5FT10-0FD0	1.900	13.900	B	4AM55 42-5FT10-0FD1	1.900	13.900				
0.75	5	B	4AM57 42-5FT10-0FD0	2.000	16.900	B	4AM57 42-5FT10-0FD1	2.000	16.900				
1.2	7.3	B	4AM61 42-5FT10-0FD0	4.100	26.700	B	4AM61 42-5FT10-0FD1	4.100	26.700				
1.5	9.7	B	4AM64 42-5FT10-0FD0	4.700	30.700	B	4AM64 42-5FT10-0FD1	4.700	30.700				
1.875	13.3	B	4AM65 42-5FT10-0FD0	6.400	36.700	B	4AM65 42-5FT10-0FD1	6.400	36.700				
3.15	16	C	4AT30 32-5FT10-0FD0	9.900	38.000		--						
4	18.5	C	4AT36 12-5FT10-0FD0	6.900	41.400		--						
5	22.5	C	4AT36 32-5FT10-0FD0	11.300	47.300		--						
6.3	28.5	C	4AT39 12-5FT10-0FD0	12.800	61.800		--						
8	30	C	4AT39 32-5FT10-0FD0	22.100	71.000		--						

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT
isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 660 V $\pm 5\%$ ¹⁾,
rated output voltage U_{2N} 230 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ³⁾	Screw terminals/ flat connectors		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ³⁾	Cage Clamp terminals		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA										
Degree of protection IP00, standard version⁴⁾											
0.063	0.19	B	4AM32 42-5LT10-0FA0	0.240	1.400	B	4AM32 42-5LT10-0FA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5LT10-0FA0	0.300	2.000	B	4AM34 42-5LT10-0FA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5LT10-0FA0	0.320	2.700	B	4AM38 42-5LT10-0FA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5LT10-0FA0	0.680	3.700	B	4AM40 42-5LT10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5LT10-0FA0	0.670	4.500	B	4AM43 42-5LT10-0FA1	0.670	4.500		
0.4	1.44	B	4AM46 42-5LT10-0FA0	1.100	5.400	B	4AM46 42-5LT10-0FA1	1.100	5.400		
0.5	2	B	4AM48 42-5LT10-0FA0	1.100	7.000	B	4AM48 42-5LT10-0FA1	1.100	7.000		
0.63	2.35	B	4AM52 42-5LT10-0FA0	1.700	7.900	B	4AM52 42-5LT10-0FA1	1.700	7.900		
0.8	3.4	B	4AM55 42-5LT10-0FA0	1.900	11.000	B	4AM55 42-5LT10-0FA1	1.900	11.000		
1	5	B	4AM57 42-5LT10-0FA0	2.000	14.000	B	4AM57 42-5LT10-0FA1	2.000	14.000		
1.6	7.3	B	4AM61 42-5LT10-0FA0	4.300	19.000	B	4AM61 42-5LT10-0FA1	4.100	19.000		
2	9.7	B	4AM64 42-5LT10-0FA0	4.700	23.000	B	4AM64 42-5LT10-0FA1	4.700	23.000		
2.5	13.3	B	4AM65 42-5LT10-0FA0	6.400	29.000	B	4AM65 42-5LT10-0FA1	6.400	29.000		
Degree of protection IP00, standard rail mounting⁴⁾											
0.063	0.19	B	4AM32 42-5LT10-0FA0	0.240	1.400	B	4AM32 42-5LT10-0FA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5LT10-0FA0	0.300	2.000	B	4AM34 42-5LT10-0FA1	0.260	2.000		
0.16	0.49	B	4AM38 42-5LT10-0FA0	0.320	2.700	B	4AM38 42-5LT10-0FA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5LT10-0FA0	0.680	3.700	B	4AM40 42-5LT10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5LT10-0FB0	0.670	4.500	B	4AM43 42-5LT10-0FB1	0.670	4.500		
0.4	1.44	B	4AM46 42-5LT10-0FB0	1.100	5.400	B	4AM46 42-5LT10-0FB1	1.100	5.400		
0.5	2	B	4AM48 42-5LT10-0FB0	1.100	7.000	B	4AM48 42-5LT10-0FB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-5LT10-0FC0	0.240	2.700	B	4AM32 42-5LT10-0FC1	0.240	2.700		
0.09	0.31	B	4AM34 42-5LT10-0FC0	0.260	3.300	B	4AM34 42-5LT10-0FC1	0.260	3.300		
0.145	0.49	B	4AM38 42-5LT10-0FC0	0.320	5.600	B	4AM38 42-5LT10-0FC1	0.320	5.600		
0.225	0.85	B	4AM40 42-5LT10-0FC0	0.590	6.600	B	4AM40 42-5LT10-0FC1	0.590	6.600		
0.268	1.12	B	4AM43 42-5LT10-0FC0	0.670	7.400	B	4AM43 42-5LT10-0FC1	0.670	7.400		
0.34	1.44	B	4AM46 42-5LT10-0FC0	1.100	8.300	B	4AM46 42-5LT10-0FC1	1.100	8.300		
0.425	2	B	4AM48 42-5LT10-0FC0	1.100	9.900	B	4AM48 42-5LT10-0FC1	1.100	9.900		
0.535	2.35	B	4AM52 42-5LT10-0FC0	1.700	10.800	B	4AM52 42-5LT10-0FC1	1.700	10.800		
0.68	3.4	B	4AM55 42-5LT10-0FC0	1.900	13.900	B	4AM55 42-5LT10-0FC1	1.900	13.900		
0.85	5	B	4AM57 42-5LT10-0FC0	2.000	16.900	B	4AM57 42-5LT10-0FC1	2.000	16.900		
1.36	7.3	B	4AM61 42-5LT10-0FC0	4.100	26.700	B	4AM61 42-5LT10-0FC1	4.100	26.700		
1.7	9.7	B	4AM64 42-5LT10-0FC0	4.700	30.700	B	4AM64 42-5LT10-0FC1	4.700	30.700		
2.13	13.3	B	4AM65 42-5LT10-0FC0	6.400	36.700	B	4AM65 42-5LT10-0FC1	6.400	36.700		
Degree of protection IP54											
0.05	0.19	B	4AM32 42-5LT10-0FD0	0.240	2.700	B	4AM32 42-5LT10-0FD1	0.240	2.700		
0.08	0.31	B	4AM34 42-5LT10-0FD0	0.300	3.300	B	4AM34 42-5LT10-0FD1	0.260	3.300		
0.128	0.49	B	4AM38 42-5LT10-0FD0	0.320	5.600	B	4AM38 42-5LT10-0FD1	0.320	5.600		
0.2	0.85	B	4AM40 42-5LT10-0FD0	0.590	6.600	B	4AM40 42-5LT10-0FD1	0.590	6.600		
0.236	1.12	B	4AM43 42-5LT10-0FD0	0.670	7.400	B	4AM43 42-5LT10-0FD1	0.670	7.400		
0.3	1.44	B	4AM46 42-5LT10-0FD0	1.100	8.300	B	4AM46 42-5LT10-0FD1	1.100	8.300		
0.375	2	B	4AM48 42-5LT10-0FD0	1.100	9.900	B	4AM48 42-5LT10-0FD1	1.100	9.900		
0.475	2.35	B	4AM52 42-5LT10-0FD0	1.700	10.800	B	4AM52 42-5LT10-0FD1	1.700	10.800		
0.6	3.4	B	4AM55 42-5LT10-0FD0	1.900	13.900	B	4AM55 42-5LT10-0FD1	1.900	13.900		
0.75	5	B	4AM57 42-5LT10-0FD0	2.000	16.900	B	4AM57 42-5LT10-0FD1	2.000	16.900		
1.2	7.3	B	4AM61 42-5LT10-0FD0	4.100	26.700	B	4AM61 42-5LT10-0FD1	4.100	26.700		
1.5	9.7	B	4AM64 42-5LT10-0FD0	4.700	30.700	B	4AM64 42-5LT10-0FD1	4.700	30.700		
1.875	13.3	B	4AM65 42-5LT10-0FD0	6.400	36.700	B	4AM65 42-5LT10-0FD1	6.400	36.700		

¹⁾ Without c_Wus approval.

²⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

³⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

With one input voltage

Rated input voltage U_{1N} 690 V $\pm 5\%$ ¹⁾,
rated output voltage U_{2N} 230 V



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ³⁾	Screw terminals/ flat connectors		Cu weight per PU approx.	Total weight per PU approx.	DT ³⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU				Order No.	Price per PU		
Degree of protection IP00, standard version ⁴⁾											
0.063	0.19	B	4AM32 42-5MT10-0FA0	0.240	1.400	B	4AM32 42-5MT10-0FA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5MT10-0FA0	0.260	2.000	B	4AM34 42-5MT10-0FA1	0.320	2.000		
0.16	0.49	B	4AM38 42-5MT10-0FA0	0.320	2.700	B	4AM38 42-5MT10-0FA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5MT10-0FA0	0.590	3.700	B	4AM40 42-5MT10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5MT10-0FA0	0.670	4.500	B	4AM43 42-5MT10-0FA1	0.670	4.500		
0.4	1.44	B	4AM46 42-5MT10-0FA0	1.100	5.400	B	4AM46 42-5MT10-0FA1	1.100	5.400		
0.5	2	B	4AM48 42-5MT10-0FA0	1.100	7.000	B	4AM48 42-5MT10-0FA1	1.100	7.000		
0.63	2.35	B	4AM52 42-5MT10-0FA0	1.700	7.900	B	4AM52 42-5MT10-0FA1	1.700	7.900		
0.8	3.4	B	4AM55 42-5MT10-0FA0	1.900	11.000	B	4AM55 42-5MT10-0FA1	1.900	11.000		
1	5	B	4AM57 42-5MT10-0FA0	2.000	14.000	B	4AM57 42-5MT10-0FA1	2.000	14.000		
1.6	7.3	B	4AM61 42-5MT10-0FA0	4.100	19.000	B	4AM61 42-5MT10-0FA1	4.100	19.000		
2	9.7	B	4AM64 42-5MT10-0FA0	4.700	23.000	B	4AM64 42-5MT10-0FA1	4.700	23.000		
2.5	13.3	B	4AM65 42-5MT10-0FA0	6.400	29.000	B	4AM65 42-5MT10-0FA1	6.400	29.000		
Degree of protection IP00, standard rail mounting ⁴⁾											
0.063	0.19	B	4AM32 42-5MT10-0FA0	0.240	1.400	B	4AM32 42-5MT10-0FA1	0.240	1.400		
0.1	0.31	B	4AM34 42-5MT10-0FA0	0.260	2.000	B	4AM34 42-5MT10-0FA1	0.320	2.000		
0.16	0.49	B	4AM38 42-5MT10-0FA0	0.320	2.700	B	4AM38 42-5MT10-0FA1	0.320	2.700		
0.25	0.85	B	4AM40 42-5MT10-0FA0	0.590	3.700	B	4AM40 42-5MT10-0FA1	0.590	3.700		
0.315	1.12	B	4AM43 42-5MT10-0FB0	0.720	4.500	B	4AM43 42-5MT10-0FB1	0.670	4.500		
0.4	1.44	B	4AM46 42-5MT10-0FB0	1.100	5.400	B	4AM46 42-5MT10-0FB1	1.100	5.400		
0.5	2	B	4AM48 42-5MT10-0FB0	1.100	7.000	B	4AM48 42-5MT10-0FB1	1.100	7.000		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-5MT10-0FC0	0.240	2.700	B	4AM32 42-5MT10-0FC1	0.240	2.700		
0.09	0.31	B	4AM34 42-5MT10-0FC0	0.260	3.300	B	4AM34 42-5MT10-0FC1	0.260	3.300		
0.145	0.49	B	4AM38 42-5MT10-0FC0	0.320	5.600	B	4AM38 42-5MT10-0FC1	0.320	5.600		
0.225	0.85	B	4AM40 42-5MT10-0FC0	0.590	6.600	B	4AM40 42-5MT10-0FC1	0.590	6.600		
0.268	1.12	B	4AM43 42-5MT10-0FC0	0.670	7.400	B	4AM43 42-5MT10-0FC1	0.670	7.400		
0.34	1.44	B	4AM46 42-5MT10-0FC0	1.100	8.300	B	4AM46 42-5MT10-0FC1	1.100	8.300		
0.425	2	B	4AM48 42-5MT10-0FC0	1.100	9.900	B	4AM48 42-5MT10-0FC1	1.100	9.900		
0.535	2.35	B	4AM52 42-5MT10-0FC0	1.700	10.800	B	4AM52 42-5MT10-0FC1	1.700	10.800		
0.68	3.4	B	4AM55 42-5MT10-0FC0	1.900	13.900	B	4AM55 42-5MT10-0FC1	1.900	13.900		
0.85	5	B	4AM57 42-5MT10-0FC0	2.000	16.900	B	4AM57 42-5MT10-0FC1	2.000	16.900		
1.36	7.3	B	4AM61 42-5MT10-0FC0	4.100	26.700	B	4AM61 42-5MT10-0FC1	4.100	26.700		
1.7	9.7	B	4AM64 42-5MT10-0FC0	4.700	30.700	B	4AM64 42-5MT10-0FC1	4.700	30.700		
2.13	13.3	B	4AM65 42-5MT10-0FC0	6.400	36.700	B	4AM65 42-5MT10-0FC1	6.400	36.700		
Degree of protection IP54											
0.05	0.19	B	4AM32 42-5MT10-0FD0	0.240	2.700	B	4AM32 42-5MT10-0FD1	0.240	2.700		
0.08	0.31	B	4AM34 42-5MT10-0FD0	0.260	3.300	B	4AM34 42-5MT10-0FD1	0.260	3.300		
0.128	0.49	B	4AM38 42-5MT10-0FD0	0.320	5.600	B	4AM38 42-5MT10-0FD1	0.320	5.600		
0.2	0.85	B	4AM40 42-5MT10-0FD0	0.590	6.600	B	4AM40 42-5MT10-0FD1	0.590	6.600		
0.236	1.12	B	4AM43 42-5MT10-0FD0	0.670	7.400	B	4AM43 42-5MT10-0FD1	0.670	7.400		
0.3	1.44	B	4AM46 42-5MT10-0FD0	1.100	8.300	B	4AM46 42-5MT10-0FD1	1.100	8.300		
0.375	2	B	4AM48 42-5MT10-0FD0	1.100	9.900	B	4AM48 42-5MT10-0FD1	1.100	9.900		
0.475	2.35	B	4AM52 42-5MT10-0FD0	1.700	10.800	B	4AM52 42-5MT10-0FD1	1.700	10.800		
0.6	3.4	B	4AM55 42-5MT10-0FD0	1.900	13.900	B	4AM55 42-5MT10-0FD1	1.900	13.900		
0.75	5	B	4AM57 42-5MT10-0FD0	2.000	16.900	B	4AM57 42-5MT10-0FD1	2.000	16.900		
1.2	7.3	B	4AM61 42-5MT10-0FD0	4.100	26.700	B	4AM61 42-5MT10-0FD1	4.100	26.700		
1.5	9.7	B	4AM64 42-5MT10-0FD0	4.700	30.700	B	4AM64 42-5MT10-0FD1	4.700	30.700		
1.875	13.3	B	4AM65 42-5MT10-0FD0	6.400	36.700	B	4AM65 42-5MT10-0FD1	6.400	36.700		

¹⁾ Without c_Wus approval.

²⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

³⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

* You can order this quantity or a multiple thereof.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

For European voltages

Rated input voltage U_{1N} 400/230 V ±15 V,
rated output voltage U_{2N} 2 × 115 V

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾		Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals		Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU				Order No.	Price per PU		
kVA	kVA				kg	kg				kg	kg
Degree of protection IP00, standard version⁴⁾											
0.063	0.19	►	4AM32 42-8JD40-0FA0	0.340	1.500	B	4AM32 42-8JD40-0FA1	0.340	1.500		
0.1	0.31	►	4AM34 42-8JD40-0FA0	0.360	2.100	B	4AM34 42-8JD40-0FA1	0.360	2.100		
0.16	0.49	►	4AM38 42-8JD40-0FA0	0.450	2.800	B	4AM38 42-8JD40-0FA1	0.450	2.800		
0.25	0.85	►	4AM40 42-8JD40-0FA0	0.820	3.900	B	4AM40 42-8JD40-0FA1	0.820	3.900		
0.315	1.12	►	4AM43 42-8JD40-0FA0	1.000	4.800	B	4AM43 42-8JD40-0FA1	1.000	4.800		
0.4	1.44	►	4AM46 42-8JD40-0FA0	1.500	5.800	B	4AM46 42-8JD40-0FA1	1.500	5.800		
0.5	2	►	4AM48 42-8JD40-0FA0	1.500	7.400	B	4AM48 42-8JD40-0FA1	1.500	7.400		
0.63	2.35	►	4AM52 42-8JD40-0FA0	2.400	8.600	--					
0.8	3.4	►	4AM55 42-8JD40-0FA0	2.600	12.000	--					
1	5	►	4AM57 42-8JD40-0FA0	2.800	15.000	--					
1.6	7.3	►	4AM61 42-8JD40-0FA0	5.700	20.000	--					
2	9.7	►	4AM64 42-8JD40-0FA0	6.500	24.000	--					
2.5	13.3	►	4AM65 42-8JD40-0FA0	8.900	32.000	--					
4	17.8	C	4AT30 32-8JD40-0FA0	9.200	29.000	--					
5	19	C	4AT36 12-8JD40-0FA0	7.300	35.000	--					
6.3	24.5	C	4AT36 32-8JD40-0FA0	14.700	46.000	--					
8	31.1	C	4AT39 12-8JD40-0FA0	13.900	49.000	--					
10	36.4	C	4AT39 32-8JD40-0FA0	28.400	67.000	--					
Degree of protection IP00, standard rail mounting⁴⁾											
0.063	0.19	►	4AM32 42-8JD40-0FA0	0.340	1.500	B	4AM32 42-8JD40-0FA1	0.340	1.500		
0.1	0.31	►	4AM34 42-8JD40-0FA0	0.360	2.100	B	4AM34 42-8JD40-0FA1	0.360	2.100		
0.16	0.49	►	4AM38 42-8JD40-0FA0	0.450	2.800	B	4AM38 42-8JD40-0FA1	0.450	2.800		
0.25	0.85	►	4AM40 42-8JD40-0FA0	0.820	3.900	B	4AM40 42-8JD40-0FA1	0.820	3.900		
0.315	1.12	B	4AM43 42-8JD40-0FB0	1.000	4.800	B	4AM43 42-8JD40-0FB1	1.000	4.800		
0.4	1.44	B	4AM46 42-8JD40-0FB0	1.500	5.800	B	4AM46 42-8JD40-0FB1	1.500	5.800		
0.5	2	B	4AM48 42-8JD40-0FB0	1.500	7.400	B	4AM48 42-8JD40-0FB1	1.500	7.400		
Degree of protection IP23											
0.057	0.19	B	4AM32 42-8JD40-0FC0	0.340	2.800	B	4AM32 42-8JD40-0FC1	0.340	2.800		
0.09	0.31	B	4AM34 42-8JD40-0FC0	0.360	3.400	B	4AM34 42-8JD40-0FC1	0.360	3.400		
0.145	0.49	B	4AM38 42-8JD40-0FC0	0.450	5.700	B	4AM38 42-8JD40-0FC1	0.450	5.700		
0.225	0.85	B	4AM40 42-8JD40-0FC0	0.820	6.800	B	4AM40 42-8JD40-0FC1	0.820	6.800		
0.268	1.12	B	4AM43 42-8JD40-0FC0	1.000	7.700	B	4AM43 42-8JD40-0FC1	1.000	7.700		
0.34	1.44	B	4AM46 42-8JD40-0FC0	1.500	8.700	B	4AM46 42-8JD40-0FC1	1.500	8.700		
0.425	2	B	4AM48 42-8JD40-0FC0	1.500	10.300	B	4AM48 42-8JD40-0FC1	1.500	10.300		
0.535	2.35	B	4AM52 42-8JD40-0FC0	2.400	11.500	--					
0.68	3.4	B	4AM55 42-8JD40-0FC0	2.600	14.900	--					
0.85	5	B	4AM57 42-8JD40-0FC0	2.800	17.900	--					
1.36	7.3	B	4AM61 42-8JD40-0FC0	5.700	27.700	--					
1.7	9.7	B	4AM64 42-8JD40-0FC0	6.500	31.700	--					
2.13	13.3	B	4AM65 42-8JD40-0FC0	8.900	39.700	--					
3.6	17.8	C	4AT30 32-8JD40-0FC0	9.300	36.700	--					
4.5	19	C	4AT36 12-8JD40-0FC0	7.300	42.700	--					
5.6	24.5	C	4AT36 32-8JD40-0FC0	12.200	48.700	--					
7.1	31.1	C	4AT39 12-8JD40-0FC0	14.000	62.900	--					
9	36.4	C	4AT39 32-8JD40-0FC0	23.700	72.900	--					
Degree of protection IP54											
0.05	0.19	B	4AM32 42-8JD40-0FD0	0.340	2.800	B	4AM32 42-8JD40-0FD1	0.340	2.800		
0.08	0.31	B	4AM34 42-8JD40-0FD0	0.360	3.400	B	4AM34 42-8JD40-0FD1	0.360	3.400		
0.128	0.49	B	4AM38 42-8JD40-0FD0	0.450	5.700	B	4AM38 42-8JD40-0FD1	0.450	5.700		
0.2	0.85	B	4AM40 42-8JD40-0FD0	0.820	6.800	B	4AM40 42-8JD40-0FD1	0.820	6.800		
0.236	1.12	B	4AM43 42-8JD40-0FD0	1.000	7.700	B	4AM43 42-8JD40-0FD1	1.000	7.700		
0.3	1.44	B	4AM46 42-8JD40-0FD0	1.500	8.700	B	4AM46 42-8JD40-0FD1	1.500	8.700		
0.375	2	B	4AM48 42-8JD40-0FD0	1.500	10.300	B	4AM48 42-8JD40-0FD1	1.500	10.300		
0.475	2.35	B	4AM52 42-8JD40-0FD0	2.400	11.500	--					
0.6	3.4	B	4AM55 42-8JD40-0FD0	2.600	14.900	--					
0.75	5	B	4AM57 42-8JD40-0FD0	2.800	17.900	--					
1.2	7.3	B	4AM61 42-8JD40-0FD0	5.700	27.700	--					
1.5	9.7	B	4AM64 42-8JD40-0FD0	6.500	31.700	--					
1.875	13.3	B	4AM65 42-8JD40-0FD0	8.900	39.700	--					
3.15	17.8	C	4AT30 32-8JD40-0FD0	9.300	36.700	--					
4	19	C	4AT36 12-8JD40-0FD0	7.300	42.700	--					
5	24.5	C	4AT36 32-8JD40-0FD0	12.200	48.700	--					
6.3	31.1	C	4AT39 12-8JD40-0FD0	14.000	62.900	--					
8	36.4	C	4AT39 32-8JD40-0FD0	23.700	72.900	--					

1) For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

2) The delivery time class depends on the quantity, see page 10/4 "Options".

3) The 4AT types are only supplied with screw terminals.

4) For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

In multi-voltage version

Rated input voltage U_{1N}

550-525-500-480-460-440-415-400-380-230-208 V,

rated output voltage U_{2N} 2 × 115 V



PU (UNIT, SET, M) = 1

PS* = 1 unit

PG = 104

Rated power P_n	Short-time rating $P_{shortt.}^{(1)}$	DT ⁽²⁾	Screw terminals ⁽³⁾ / flat connectors ⁽³⁾	Order No.	Cu weight per PU approx.	Total weight per PU approx.
kVA	kVA			Price per PU	kg	kg
Degree of protection IP00, standard version⁽⁴⁾						
0.063	0.19	▶	4AM32 42-8DD40-0FA0	0.340	1.500	
0.1	0.31	▶	4AM34 42-8DD40-0FA0	0.360	2.100	
0.16	0.49	▶	4AM38 42-8DD40-0FA0	0.450	2.800	
0.25	0.85	▶	4AM40 42-8DD40-0FA0	0.820	3.900	
0.315	1.12	▶	4AM43 42-8DD40-0FA0	1.000	4.800	
0.4	1.44	▶	4AM46 42-8DD40-0FA0	1.500	5.800	
0.5	2	▶	4AM48 42-8DD40-0FA0	1.500	7.400	
0.63	2.35	▶	4AM52 42-8DD40-0FA0	2.400	8.600	
0.8	3.4	▶	4AM55 42-8DD40-0FA0	2.600	12.000	
1	5	▶	4AM57 42-8DD40-0FA0	2.800	15.000	
1.6	7.3	▶	4AM61 42-8DD40-0FA0	5.700	20.000	
2	9.7	▶	4AM64 42-8DD40-0FA0	6.500	24.000	
2.5	13.3	▶	4AM65 42-8DD40-0FA0	8.900	32.000	
4	17.8	▶	4AT30 32-8DD40-0FA0	9.300	29.000	
5	19	▶	4AT36 12-8DD40-0FA0	7.300	35.000	
6.3	24.5	▶	4AT36 32-8DD40-0FA0	12.200	41.000	
8	31.1	C	4AT39 12-8DD40-0FA0	13.900	49.000	
10	36.4	C	4AT39 32-8DD40-0FA0	23.700	59.000	
Degree of protection IP00, standard rail mounting⁽⁴⁾						
0.063	0.19	▶	4AM32 42-8DD40-0FA0	0.340	1.500	
0.1	0.31	▶	4AM34 42-8DD40-0FA0	0.360	2.100	
0.16	0.49	▶	4AM38 42-8DD40-0FA0	0.450	2.800	
0.25	0.85	▶	4AM40 42-8DD40-0FA0	0.820	3.900	
0.315	1.12	B	4AM43 42-8DD40-0FB0	1.000	4.800	
0.4	1.44	B	4AM46 42-8DD40-0FB0	1.500	5.800	
0.5	2	B	4AM48 42-8DD40-0FB0	1.500	7.400	
Degree of protection IP23						
0.057	0.19	B	4AM32 42-8DD40-0FC0	0.340	2.800	
0.09	0.31	B	4AM34 42-8DD40-0FC0	0.360	3.400	
0.145	0.49	B	4AM38 42-8DD40-0FC0	0.450	5.700	
0.225	0.85	B	4AM40 42-8DD40-0FC0	0.820	6.800	
0.268	1.12	B	4AM43 42-8DD40-0FC0	1.000	7.700	
0.34	1.44	B	4AM46 42-8DD40-0FC0	1.500	8.700	
0.425	2	B	4AM48 42-8DD40-0FC0	1.500	10.300	
0.535	2.35	B	4AM52 42-8DD40-0FC0	2.400	11.500	
0.68	3.4	B	4AM55 42-8DD40-0FC0	2.600	14.900	
0.85	5	B	4AM57 42-8DD40-0FC0	2.800	17.900	
1.36	7.3	B	4AM61 42-8DD40-0FC0	5.700	27.700	
1.7	9.7	B	4AM64 42-8DD40-0FC0	6.500	31.700	
2.13	13.3	B	4AM65 42-8DD40-0FC0	8.900	39.700	
3.6	17.8	C	4AT30 32-8DD40-0FC0	9.300	36.700	
4.5	19	C	4AT36 12-8DD40-0FC0	7.300	42.700	
5.6	24.5	C	4AT36 32-8DD40-0FC0	12.200	48.700	
7.1	31.1	C	4AT39 12-8DD40-0FC0	13.900	62.900	
9	36.4	C	4AT39 32-8DD40-0FC0	23.700	72.900	
Degree of protection IP54						
0.05	0.19	B	4AM32 42-8DD40-0FD0	0.340	2.800	
0.08	0.31	B	4AM34 42-8DD40-0FD0	0.360	3.400	
0.128	0.49	B	4AM38 42-8DD40-0FD0	0.450	5.700	
0.2	0.85	B	4AM40 42-8DD40-0FD0	0.820	6.800	
0.236	1.12	B	4AM43 42-8DD40-0FD0	1.000	7.700	
0.3	1.44	B	4AM46 42-8DD40-0FD0	1.500	8.700	
0.375	2	B	4AM48 42-8DD40-0FD0	1.500	10.300	
0.475	2.35	B	4AM52 42-8DD40-0FD0	2.400	11.500	
0.6	3.4	B	4AM55 42-8DD40-0FD0	2.600	14.900	
0.75	5	B	4AM57 42-8DD40-0FD0	2.800	17.900	
1.2	7.3	B	4AM61 42-8DD40-0FD0	5.700	27.700	
1.5	9.7	B	4AM64 42-8DD40-0FD0	6.500	31.700	
1.875	13.3	B	4AM65 42-8DD40-0FD0	8.900	39.700	
3.15	17.8	C	4AT30 32-8DD40-0FD0	9.300	36.700	
4	19	C	4AT36 12-8DD40-0FD0	7.300	42.700	
5	24.5	C	4AT36 32-8DD40-0FD0	12.200	48.700	
6.3	31.1	C	4AT39 12-8DD40-0FD0	13.900	62.900	
8	36.4	C	4AT39 32-8DD40-0FD0	23.700	72.900	

⁽¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

⁽²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

⁽³⁾ The 4AT types are only supplied with screw terminals.

⁽⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT

isolating, control and mains transformers

In multi-voltage version

Rated input voltage U_{1N}

600-575-550-525-500-480-460-440-415-400-240-230 V,

rated output voltage U_{2N} 2 x 115 V



PU (UNIT, SET, M) = 1

PS* = 1 unit

PG = 104

Rated power P_n	Short-time rating $P_{short.}$ ¹⁾	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
KVA	kVA				kg	kg	
Degree of protection IP00, standard version⁴⁾							
0.063	0.19	▶	4AM32 42-8ED40-0FA0		0.340	1.500	
0.1	0.31	▶	4AM34 42-8ED40-0FA0		0.360	2.100	
0.16	0.49	▶	4AM38 42-8ED40-0FA0		0.450	2.800	
0.25	0.85	▶	4AM40 42-8ED40-0FA0		0.820	3.900	
0.315	1.12	▶	4AM43 42-8ED40-0FA0		1.000	4.800	
0.4	1.44	▶	4AM46 42-8ED40-0FA0		1.500	5.800	
0.5	2	▶	4AM48 42-8ED40-0FA0		1.500	7.400	
0.63	2.35	▶	4AM52 42-8ED40-0FA0		2.400	8.600	
0.8	3.4	▶	4AM55 42-8ED40-0FA0		2.600	12.000	
1	5	▶	4AM57 42-8ED40-0FA0		2.800	15.000	
1.6	7.3	▶	4AM61 42-8ED40-0FA0		5.700	20.000	
2	9.7	▶	4AM64 42-8ED40-0FA0		6.500	24.000	
2.5	13.3	▶	4AM65 42-8ED40-0FA0		8.900	32.000	
4	17.8	▶	4AT30 32-8ED40-0FA0		9.300	29.000	
5	19	C	4AT36 12-8ED40-0FA0		7.300	35.000	
6.3	24.5	C	4AT36 32-8ED40-0FA0		12.200	41.000	
8	31.1	C	4AT39 12-8ED40-0FA0		13.900	49.000	
10	36.4	C	4AT39 32-8ED40-0FA0		23.700	59.000	
Degree of protection IP00, standard rail mounting⁴⁾							
0.063	0.19	▶	4AM32 42-8ED40-0FA0		0.340	1.500	
0.1	0.31	▶	4AM34 42-8ED40-0FA0		0.360	2.100	
0.16	0.49	▶	4AM38 42-8ED40-0FA0		0.450	2.800	
0.25	0.85	▶	4AM40 42-8ED40-0FA0		0.820	3.900	
0.315	1.12	B	4AM43 42-8ED40-0FB0		1.000	4.800	
0.4	1.44	B	4AM46 42-8ED40-0FB0		1.500	5.800	
0.5	2	B	4AM48 42-8ED40-0FB0		1.500	7.400	
Degree of protection IP23							
0.057	0.19	B	4AM32 42-8ED40-0FC0		0.340	2.800	
0.09	0.31	B	4AM34 42-8ED40-0FC0		0.360	3.400	
0.145	0.49	B	4AM38 42-8ED40-0FC0		0.450	5.700	
0.225	0.85	B	4AM40 42-8ED40-0FC0		0.820	6.800	
0.268	1.12	B	4AM43 42-8ED40-0FC0		1.000	7.700	
0.34	1.44	B	4AM46 42-8ED40-0FC0		1.500	8.700	
0.425	2	B	4AM48 42-8ED40-0FC0		1.500	10.300	
0.535	2.35	B	4AM52 42-8ED40-0FC0		2.400	11.500	
0.68	3.4	B	4AM55 42-8ED40-0FC0		2.600	14.900	
0.85	5	B	4AM57 42-8ED40-0FC0		2.800	17.900	
1.36	7.3	B	4AM61 42-8ED40-0FC0		4.600	27.700	
1.7	9.7	B	4AM64 42-8ED40-0FC0		6.500	31.700	
2.13	13.3	B	4AM65 42-8ED40-0FC0		8.900	39.700	
3.6	17.8	C	4AT30 32-8ED40-0FC0		9.300	36.700	
4.5	19	C	4AT36 12-8ED40-0FC0		7.300	42.700	
5.6	24.5	C	4AT36 32-8ED40-0FC0		12.200	48.700	
7.1	31.1	C	4AT39 12-8ED40-0FC0		13.900	62.900	
9	36.4	C	4AT39 32-8ED40-0FC0		23.700	72.900	
Degree of protection IP23							
0.05	0.19	B	4AM32 42-8ED40-0FD0		0.340	2.800	
0.08	0.31	B	4AM34 42-8ED40-0FD0		0.360	3.400	
0.128	0.49	B	4AM38 42-8ED40-0FD0		0.450	5.700	
0.2	0.85	B	4AM40 42-8ED40-0FD0		0.820	6.800	
0.236	1.12	B	4AM43 42-8ED40-0FD0		1.000	7.700	
0.3	1.44	B	4AM46 42-8ED40-0FD0		1.500	8.700	
0.375	2	B	4AM48 42-8ED40-0FD0		1.500	10.300	
0.475	2.35	B	4AM52 42-8ED40-0FD0		2.400	11.500	
0.6	3.4	B	4AM55 42-8ED40-0FD0		2.600	14.900	
0.75	5	B	4AM57 42-8ED40-0FD0		2.800	17.900	
1.2	7.3	B	4AM61 42-8ED40-0FD0		5.700	27.700	
1.5	9.7	B	4AM64 42-8ED40-0FD0		6.500	31.700	
1.875	13.3	B	4AM65 42-8ED40-0FD0		8.900	39.700	
3.15	17.8	C	4AT30 32-8ED40-0FD0		9.300	36.700	
4	19	C	4AT36 12-8ED40-0FD0		7.300	42.700	
5	24.5	C	4AT36 32-8ED40-0FD0		12.200	48.700	
6.3	31.1	C	4AT39 12-8ED40-0FD0		13.900	62.900	
8	36.4	C	4AT39 32-8ED40-0FD0		23.700	72.900	

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AT types are only supplied with screw terminals.

⁴⁾ For types 4AM32 to 4AM40, standard rail mounting is integrated in the standard version.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM isolating and mains transformers

Overview

- According to EN 61558-2-4, -2-1
- c_Wus¹⁾**
- $t_a = 40 \text{ }^{\circ}\text{C}/\text{B}$
- AC 50/60 Hz
- Degree of protection IP00, IP23 and IP54



¹⁾ c_Wus approvals for voltages $\leq 600 \text{ V}$ (excluding tappings) and degree of protection IP00.



4AM with screw/flat connectors (left) and with Cage Clamp terminals (right)

Selection and ordering data

With one input voltage

**Rated input voltage $U_{1N} 230 \text{ V} \pm 5 \%$,
rated output voltage $U_{2N} 110 \text{ V}$**



PU (UNIT, SET, M) =1
PS*
PG

=1 unit

=104

Rated power P_n kVA	Short-time rating $P_{shortt.}$ kVA	DT ¹⁾ Screw terminals/ flat connectors Order No.	Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Cage Clamp terminals Order No.	Price per PU kg	Cu weight per PU approx. kg	Total weight per PU approx. kg
Degree of protection IP00, standard version								
0.025	--	B 4AM23 42-4TJ10-0FA0	0.110	0.600	B 4AM23 42-4TJ10-0FA1	0.110	0.600	
0.04	--	B 4AM26 42-4TJ10-0FA0	0.150	0.800	B 4AM26 42-4TJ10-0FA1	0.150	0.800	
Degree of protection IP00, standard rail mounting								
0.025	--	B 4AM23 42-4TJ10-0FB0	0.110	0.600	B 4AM23 42-4TJ10-0FB1	0.110	0.600	
0.04	--	B 4AM26 42-4TJ10-0FB0	0.150	0.800	B 4AM26 42-4TJ10-0FB1	0.150	0.800	
Degree of protection IP23								
0.023	--	B 4AM23 42-4TJ10-0FC0	0.110	1.900	B 4AM23 42-4TJ10-0FC1	0.110	1.900	
0.036	--	B 4AM26 42-4TJ10-0FC0	0.150	2.100	B 4AM26 42-4TJ10-0FC1	0.150	2.100	
Degree of protection IP54								
0.02	--	B 4AM23 42-4TJ10-0FD0	0.110	1.900	B 4AM23 42-4TJ10-0FD1	0.110	1.900	
0.03	--	B 4AM26 42-4TJ10-0FD0	0.150	2.100	B 4AM26 42-4TJ10-0FD1	0.150	2.100	

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

With one input voltage

**Rated input voltage $U_{1N} 230 \text{ V} \pm 5 \%$,
rated output voltage $U_{2N} 230 \text{ V}$**



PU (UNIT, SET, M) =1
PS*
PG

=1 unit

=104

Rated power P_n kVA	Short-time rating $P_{shortt.}$ kVA	DT ¹⁾ Screw terminals/ flat connectors Order No.	Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Cage Clamp terminals Order No.	Price per PU kg	Cu weight per PU approx. kg	Total weight per PU approx. kg
Degree of protection IP00, standard version								
0.025	--	► B 4AM23 42-4TT10-0FA0	0.110	0.600	B 4AM23 42-4TT10-0FA1	0.110	0.600	
0.04	--	► B 4AM26 42-4TT10-0FA0	0.150	0.800	B 4AM26 42-4TT10-0FA1	0.150	0.800	
Degree of protection IP00, standard rail mounting								
0.025	--	B 4AM23 42-4TT10-0FB0	0.110	0.600	B 4AM23 42-4TT10-0FB1	0.110	0.600	
0.04	--	B 4AM26 42-4TT10-0FB0	0.150	0.800	B 4AM26 42-4TT10-0FB1	0.150	0.800	
Degree of protection IP23								
0.023	--	B 4AM23 42-4TT10-0FC0	0.110	1.900	B 4AM23 42-4TT10-0FC1	0.110	1.900	
0.036	--	B 4AM26 42-4TT10-0FC0	0.150	2.100	B 4AM26 42-4TT10-0FC1	0.150	2.100	
Degree of protection IP54								
0.02	--	B 4AM23 42-4TT10-0FD0	0.110	1.900	B 4AM23 42-4TT10-0FD1	0.110	1.900	
0.03	--	B 4AM26 42-4TT10-0FD0	0.150	2.100	B 4AM26 42-4TT10-0FD1	0.150	2.100	

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

* You can order this quantity or a multiple thereof.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM isolating and mains transformers

With one input voltage

**Rated input voltage U_{1N} 400 V $\pm 5\%$,
rated output voltage U_{2N} 110 V**



PU (UNIT, SET, M) =1
PS* =1 unit
PG =104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version													
0.025	--	B	4AM23 42-5AJ10-0FA0		0.110	0.600	B	4AM23 42-5AJ10-0FA1				0.110	0.600
0.04	--	B	4AM26 42-5AJ10-0FA0		0.150	0.800	B	4AM26 42-5AJ10-0FA1				0.150	0.800
Degree of protection IP00, standard rail mounting													
0.025	--	B	4AM23 42-5AJ10-0FB0		0.110	0.600	B	4AM23 42-5AJ10-0FB1				0.110	0.600
0.04	--	B	4AM26 42-5AJ10-0FB0		0.150	0.800	B	4AM26 42-5AJ10-0FB1				0.150	0.800
Degree of protection IP23													
0.023	--	B	4AM23 42-5AJ10-0FC0		0.110	1.900	B	4AM23 42-5AJ10-0FC1				0.110	1.900
0.036	--	B	4AM26 42-5AJ10-0FC0		0.150	2.100	B	4AM26 42-5AJ10-0FC1				0.150	2.100
Degree of protection IP54													
0.02	--	B	4AM23 42-5AJ10-0FD0		0.110	1.900	B	4AM23 42-5AJ10-0FD1				0.110	1.900
0.03	--	B	4AM26 42-5AJ10-0FD0		0.150	2.100	B	4AM26 42-5AJ10-0FD1				0.150	2.100

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

With one input voltage

**Rated input voltage U_{1N} 400 V $\pm 5\%$,
rated output voltage U_{2N} 230 V**



PU (UNIT, SET, M) =1
PS* =1 unit
PG =104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version													
0.025	--	►	4AM23 42-5AT10-0FA0		0.110	0.600	B	4AM23 42-5AT10-0FA1				0.110	0.600
0.04	--	►	4AM26 42-5AT10-0FA0		0.150	0.800	B	4AM26 42-5AT10-0FA1				0.150	0.800
Degree of protection IP00, standard rail mounting													
0.025	--	B	4AM23 42-5AT10-0FB0		0.110	0.600	B	4AM23 42-5AT10-0FB1				0.110	0.600
0.04	--	B	4AM26 42-5AT10-0FB0		0.150	0.800	B	4AM26 42-5AT10-0FB1				0.150	0.800
Degree of protection IP23													
0.023	--	B	4AM23 42-5AT10-0FC0		0.110	1.900	B	4AM23 42-5AT10-0FC1				0.110	1.900
0.036	--	B	4AM26 42-5AT10-0FC0		0.160	2.100	B	4AM26 42-5AT10-0FC1				0.150	2.100
Degree of protection IP54													
0.02	--	B	4AM23 42-5AT10-0FD0		0.110	1.900	B	4AM23 42-5AT10-0FD1				0.110	1.900
0.03	--	B	4AM26 42-5AT10-0FD0		0.150	2.100	B	4AM26 42-5AT10-0FD1				0.150	2.100

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM isolating and mains transformers

With one input voltage

*Rated input voltage U_{1N} 440 V $\pm 5\%$,
rated output voltage U_{2N} 110 V*

cAs, \emptyset , \emptyset

PU (UNIT, SET, M) =1
PS* =1 unit
PG =104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version													
0.025	--	B	4AM23 42-5CJ10-0FA0	0.110	0.600	B	4AM23 42-5CJ10-0FA1	0.110	0.600	4AM26 42-5CJ10-0FA0	0.150	0.800	4AM26 42-5CJ10-0FA1
0.04	--	B	4AM26 42-5CJ10-0FA0	0.150	0.800	B	4AM23 42-5CJ10-0FB1	0.110	0.600	4AM26 42-5CJ10-0FB1	0.150	0.800	4AM26 42-5CJ10-0FB1
Degree of protection IP00, standard rail mounting													
0.025	--	B	4AM23 42-5CJ10-0FB0	0.110	0.600	B	4AM23 42-5CJ10-0FD1	0.110	0.600	4AM26 42-5CJ10-0FB0	0.150	0.800	4AM26 42-5CJ10-0FD1
0.04	--	B	4AM26 42-5CJ10-0FB0	0.150	0.800	B	4AM23 42-5CJ10-0FC1	0.110	1.900	4AM26 42-5CJ10-0FC1	0.150	2.100	4AM26 42-5CJ10-0FC1
Degree of protection IP23													
0.023	--	B	4AM23 42-5CJ10-0FC0	0.110	1.900	B	4AM23 42-5CJ10-0FD1	0.110	1.900	4AM26 42-5CJ10-0FC0	0.150	2.100	4AM26 42-5CJ10-0FD1
0.036	--	B	4AM26 42-5CJ10-0FC0	0.150	2.100	B	4AM23 42-5CJ10-0FD1	0.110	1.900	4AM26 42-5CJ10-0FD1	0.150	2.100	4AM26 42-5CJ10-0FD1
Degree of protection IP54													
0.02	--	B	4AM23 42-5CJ10-0FD0	0.110	1.900	B	4AM23 42-5CJ10-0FD1	0.110	1.900	4AM26 42-5CJ10-0FD0	0.150	2.100	4AM26 42-5CJ10-0FD1
0.03	--	B	4AM26 42-5CJ10-0FD0	0.150	2.100	B	4AM23 42-5CJ10-0FD1	0.110	1.900	4AM26 42-5CJ10-0FD1	0.150	2.100	4AM26 42-5CJ10-0FD1

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

With one input voltage

*Rated input voltage U_{1N} 440 V $\pm 5\%$,
rated output voltage U_{2N} 230 V*

cAs, \emptyset , \emptyset

PU (UNIT, SET, M) =1
PS* =1 unit
PG =104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version													
0.025	--	B	4AM23 42-5CT10-0FA0	0.110	0.600	C	4AM23 42-5CT10-0FA1	0.110	0.600	4AM26 42-5CT10-0FA0	0.150	0.800	4AM26 42-5CT10-0FA1
0.04	--	C	4AM26 42-5CT10-0FA0	0.150	0.800	C	4AM23 42-5CT10-0FB1	0.110	0.600	4AM26 42-5CT10-0FB1	0.150	0.800	4AM26 42-5CT10-0FB1
Degree of protection IP00, standard rail mounting													
0.025	--	B	4AM23 42-5CT10-0FB0	0.110	0.600	C	4AM23 42-5CT10-0FD1	0.110	0.600	4AM26 42-5CT10-0FB0	0.150	0.800	4AM26 42-5CT10-0FD1
0.04	--	B	4AM26 42-5CT10-0FB0	0.150	0.800	C	4AM23 42-5CT10-0FC1	0.110	1.900	4AM26 42-5CT10-0FC1	0.150	2.100	4AM26 42-5CT10-0FC1
Degree of protection IP23													
0.023	--	B	4AM23 42-5CT10-0FC0	0.110	1.900	C	4AM23 42-5CT10-0FD1	0.110	1.900	4AM26 42-5CT10-0FC0	0.150	2.100	4AM26 42-5CT10-0FD1
0.036	--	B	4AM26 42-5CT10-0FC0	0.150	2.100	C	4AM23 42-5CT10-0FD1	0.110	1.900	4AM26 42-5CT10-0FD1	0.150	2.100	4AM26 42-5CT10-0FD1
Degree of protection IP54													
0.02	--	C	4AM23 42-5CT10-0FD0	0.110	1.900	C	4AM23 42-5CT10-0FD1	0.110	1.900	4AM26 42-5CT10-0FD0	0.150	2.100	4AM26 42-5CT10-0FD1
0.03	--	C	4AM26 42-5CT10-0FD0	0.150	2.100	C	4AM23 42-5CT10-0FD1	0.110	1.900	4AM26 42-5CT10-0FD1	0.150	2.100	4AM26 42-5CT10-0FD1

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM isolating and mains transformers

With one input voltage

Rated input voltage U_{1N} 500 V ± 5 %,
rated output voltage U_{2N} 110 V



PU (UNIT, SET, M) =1
 PS* =1 unit
 PG =104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version													
0.025	--	B	4AM23 42-5FJ10-0FA0		0.110	0.600	B	4AM23 42-5FJ10-0FA1				0.110	0.600
0.04	--	B	4AM26 42-5FJ10-0FA0		0.150	0.800	B	4AM26 42-5FJ10-0FA1				0.150	0.800
Degree of protection IP00, standard rail mounting													
0.025	--	B	4AM23 42-5FJ10-0FB0		0.110	0.600	B	4AM23 42-5FJ10-0FB1				0.110	0.600
0.04	--	B	4AM26 42-5FJ10-0FB0		0.150	0.800	B	4AM26 42-5FJ10-0FB1				0.150	0.800
Degree of protection IP23													
0.023	--	B	4AM23 42-5FJ10-0FC0		0.110	1.900	B	4AM23 42-5FJ10-0FC1				0.110	1.900
0.036	--	B	4AM26 42-5FJ10-0FC0		0.150	2.100	B	4AM26 42-5FJ10-0FC1				0.150	2.100
Degree of protection IP54													
0.02	--	B	4AM23 42-5FJ10-0FD0		0.110	1.900	B	4AM23 42-5FJ10-0FD1				0.110	1.900
0.03	--	B	4AM26 42-5FJ10-0FD0		0.150	2.100	B	4AM26 42-5FJ10-0FD1				0.150	2.100

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

With one input voltage

Rated input voltage U_{1N} 500 V ± 5 %,
rated output voltage U_{2N} 230 V



PU (UNIT, SET, M) =1
 PS* =1 unit
 PG =104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ¹⁾	Screw terminals/ flat connectors			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾	Cage Clamp terminals			Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU	kg				Order No.	Price per PU	kg		
Degree of protection IP00, standard version													
0.025	--	B	4AM23 42-5FT10-0FA0		0.110	0.600	C	4AM23 42-5FT10-0FA1				0.110	0.600
0.04	--	B	4AM26 42-5FT10-0FA0		0.150	0.800	C	4AM26 42-5FT10-0FA1				0.150	0.800
Degree of protection IP00, standard rail mounting													
0.025	--	C	4AM23 42-5FT10-0FB0		0.110	0.600	C	4AM23 42-5FT10-0FB1				0.110	0.600
0.04	--	B	4AM26 42-5FT10-0FB0		0.160	0.800	C	4AM26 42-5FT10-0FB1				0.150	0.800
Degree of protection IP23													
0.023	--	C	4AM23 42-5FT10-0FC0		0.110	1.900	C	4AM23 42-5FT10-0FC1				0.110	1.900
0.036	--	C	4AM26 42-5FT10-0FC0		0.150	2.100	B	4AM26 42-5FT10-0FC1				0.150	2.100
Degree of protection IP54													
0.02	--	C	4AM23 42-5FT10-0FD0		0.110	1.900	C	4AM23 42-5FT10-0FD1				0.110	1.900
0.03	--	C	4AM26 42-5FT10-0FD0		0.150	2.100	C	4AM26 42-5FT10-0FD1				0.150	2.100

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM isolating and mains transformers

With one input voltage

Rated input voltage U_{1N} 660 V ± 5 %¹⁾,
rated output voltage U_{2N} 230 V



PU (UNIT, SET, M) =1
PS* =1 unit
PG =104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ²⁾	Screw terminals/ flat connectors	Order No.	Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
kVA	kVA				kg	kg				kg	kg	
Degree of protection IP00, standard version												
0.025	--	B	4AM23 42-5LT10-0FA0		0.110	0.600	B	4AM23 42-5LT10-0FA1		0.110	0.600	
0.04	--	B	4AM26 42-5LT10-0FA0		0.150	0.800	B	4AM26 42-5LT10-0FA1		0.150	0.800	
Degree of protection IP00, standard rail mounting												
0.025	--	B	4AM23 42-5LT10-0FB0		0.110	0.600	B	4AM23 42-5LT10-0FB1		0.110	0.600	
0.04	--	B	4AM26 42-5LT10-0FB0		0.150	0.800	B	4AM26 42-5LT10-0FB1		0.150	0.800	
Degree of protection IP23												
0.023	--	B	4AM23 42-5LT10-0FC0		0.110	1.900	B	4AM23 42-5LT10-0FC1		0.110	1.900	
0.036	--	B	4AM26 42-5LT10-0FC0		0.150	2.100	B	4AM26 42-5LT10-0FC1		0.150	2.100	
Degree of protection IP54												
0.02	--	B	4AM23 42-5LT10-0FD0		0.110	1.900	B	4AM23 42-5LT10-0FD1		0.110	1.900	
0.03	--	B	4AM26 42-5LT10-0FD0		0.150	2.100	B	4AM26 42-5LT10-0FD1		0.150	2.100	

¹⁾ Without c_Wus approval.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

With one input voltage

Rated input voltage U_{1N} 690 V ± 5 %¹⁾,
rated output voltage U_{2N} 230 V



PU (UNIT, SET, M) =1
PS* =1 unit
PG =104

Rated power P_n	Short-time rating $P_{shortt.}$	DT ²⁾	Screw terminals/ flat connectors	Order No.	Cu weight per PU approx.	Total weight per PU approx.	DT ²⁾	Cage Clamp terminals	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
kVA	kVA				kg	kg				kg	kg	
Degree of protection IP00, standard version												
0.025	--	B	4AM23 42-5MT10-0FA0		0.110	0.600	B	4AM23 42-5MT10-0FA1		0.110	0.600	
0.04	--	B	4AM26 42-5MT10-0FA0		0.150	0.800	B	4AM26 42-5MT10-0FA1		0.150	0.800	
Degree of protection IP00, standard rail mounting												
0.025	--	B	4AM23 42-5MT10-0FB0		0.110	0.600	B	4AM23 42-5MT10-0FB1		0.110	0.600	
0.04	--	B	4AM26 42-5MT10-0FB0		0.150	0.800	B	4AM26 42-5MT10-0FB1		0.150	0.800	
Degree of protection IP23												
0.023	--	B	4AM23 42-5MT10-0FC0		0.110	1.900	B	4AM23 42-5MT10-0FC1		0.110	1.900	
0.036	--	B	4AM26 42-5MT10-0FC0		0.150	2.100	B	4AM26 42-5MT10-0FC1		0.150	2.100	
Degree of protection IP54												
0.02	--	B	4AM23 42-5MT10-0FD0		0.110	1.900	B	4AM23 42-5MT10-0FD1		0.110	1.900	
0.03	--	B	4AM26 42-5MT10-0FD0		0.150	2.100	B	4AM26 42-5MT10-0FD1		0.150	2.100	

¹⁾ Without c_Wus approval.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AT isolating transformers
for the supply of medical premises

Overview

- According to EN 61558-2-15
- Protection class I
- With static shield between the primary and secondary winding with insulated connection
- With thermistor transformer protection for warning of thermal overload¹⁾
- With central tap for insulation monitoring
- Short-circuit voltage $u_z \leq 3\%$
- No-load supply current $i_0 \leq 3\%$
- Inrush current max. $8 \times I_{1N}$
- $t_a = 55^\circ\text{C}/\text{H}$



4AT special version for medical premises



¹⁾ 3RN releases for PTC sensors must be ordered separately, see Chapter 7, "Monitoring and Control Devices".

Selection and ordering data



Rated power P_n	Voltage rise during no-load opera- tion u_A	Rated voltages		Secondary-side short-circuit protection for the transformer with motor starter protector	DT ¹⁾	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.	Total weight per PU approx.	
		Input U_{1N}	Output U_{2N}										
kVA	%	V	V	A							kg	kg	
Degree of protection IP00													
2.5	3.6	230	230-115	3RV10 21-4CA10	21	C	4AT30 12-1TA71-3MA0		1	1 unit	104	7.400	25.500
3.15	3.6	230	230-115	3RV10 31-4EA10	26	C	4AT36 02-1TA71-3MA0		1	1 unit	104	6.800	33.000
4	3.6	230	230-115	3RV10 31-4EA10	29	C	4AT36 12-1TA71-3MA0		1	1 unit	104	9.400	36.000
5	3.6	230	230-115	3RV10 31-4FA10	36	C	4AT39 02-1TA71-3MA0		1	1 unit	104	9.700	45.000
6.3	3.6	230	230-115	3RV10 31-4GA10	40	C	4AT39 12-1TA71-3MA0		1	1 unit	104	13.800	49.000
8	3.7	230	230-115	3RV10 41-4JA10	49	C	4AT43 02-1TA71-3MA0		1	1 unit	104	12.600	63.000
10	2.5	230	230-115	3RV10 41-4KA10	61	C	4AT43 12-1TA71-3MA0		1	1 unit	104	19.600	70.000
Degree of protection IP23													
2.5	3.6	230	230-115	3RV10 21-4CA10	21	C	4AT30 12-1TA71-3MC0		1	1 unit	104	7.400	33.500
3.15	3.6	230	230-115	3RV10 31-4EA10	26	C	4AT36 02-1TA71-3MC0		1	1 unit	104	6.800	41.000
4	3.7	230	230-115	3RV10 31-4EA10	29	D	4AT36 12-1TA71-3MC0		1	1 unit	104	9.400	44.000
5	3.6	230	230-115	3RV10 31-4FA10	36	C	4AT39 02-1TA71-3MC0		1	1 unit	104	9.700	59.000
6.3	3.9	230	230-115	3RV10 31-4GA10	40	C	4AT39 12-1TA71-3MC0		1	1 unit	104	13.800	63.000
8	3.7	230	230-115	3RV10 41-4JA10	49	C	4AT43 02-1TA71-3MC0		1	1 unit	104	12.400	77.000
10	2.5	230	230-115	3RV10 41-4KA10	61	C	4AT43 12-1TA71-3MC0		1	1 unit	104	19.600	84.000

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AM, 4AT transformers with selectable voltages

Overview

- 4AM and 4AT transformers configured as isolating, control and mains transformers according to EN 61558-2-4, -2-2, -2-1 or as safety, control and mains transformers according to EN 61558-2-6, -2-2, -2-1, or as autotransformers according to EN 61558-2-13 with selectable input and output voltages in the performance range from 0.025 kVA to 16 kVA (for autotransformers the type rating is always quoted) and additional options
- c_{UL}us¹⁾
- 4AM: $t_a = 40^\circ\text{C/B}$, 4AT: $t_a = 55^\circ\text{C/H}$
- Standard vector group: I0, for autotransformer: Ia0



¹⁾ The enclosures for the 4AM23 4 to 4AT43 2 transformers are c_{UL}us-approved.



4AM (left) and 4AT30 3 to 4AT43 2 (right)

Selection and ordering data



Rated power ¹⁾ P_n with degree of protection			Short-time rating ²⁾ $P_{shortt.}$	Selectable rated voltages U_{1N}, U_{2N}	DT ³⁾	Order No. stem	Basic price per PU	Additional price for standard options				Cu weight ⁵⁾ per PU approx.	Transformer weight ⁵⁾ per PU approx.	Total weight ⁵⁾ including enclosure per PU approx.
IP00	IP23	IP54						Two tappings in the range $\pm 5\%$ of the rated input or output voltage for constant power	One tapping on the input or output side for failing power	One additional separate winding on the input or output side	Shield winding (connection routed to terminal). Not possible for autotransformers.			
kVA	kVA	kVA	kVA											

4AM transformers						
0.025	0.023	0.02	--	12 ... 690 V, with c _{UL} us	B 4AM23 4	x x x x x x x
0.04	0.036	0.03	--	max. 600 V	B 4AM26 4	x x x x x x x
0.063	0.057	0.05	0.19	(excluding tappings)	B 4AM32 4	x x x x x x x
0.1	0.09	0.08	0.31		B 4AM34 4	x x x x x x x
0.16	0.145	0.128	0.49		B 4AM38 4	x x x x x x x
0.25	0.225	0.2	0.85		B 4AM40 4	x x x x x x x
0.315	0.268	0.236	1.12		B 4AM43 4	x x x x x x x
0.4	0.34	0.3	1.44		B 4AM46 4	x x x x x x x
0.5	0.425	0.375	2		B 4AM48 4	x x x x x x x
0.63	0.535	0.475	2.35		B 4AM52 4	x x x x x x x
0.8	0.68	0.6	3.4		B 4AM55 4	x x x x x x x
1	0.85	0.75	5		B 4AM57 4	x x x x x x x
1.6	1.36	1.2	7.3		B 4AM61 4	x x x x x x x
2	1.7	1.5	9.7		B 4AM64 4	x x x x x x x
2.5	2.13	1.88	13.3		B 4AM65 4	x x x x x x x

4AT transformers						
4	3.6	3.15	17.8	24 ... 690 V, with c _{UL} us	B 4AT30 3	x x x x x --
5	4.5	4	19	max. 600 V	B 4AT36 1	x x x x x --
6.3	5.6	5	24.5	(excluding tappings)	B 4AT36 3	x x x x x --
8	7.1	6.3	31.1		B 4AT39 1	x x x x x --
10	9	8	36.4		B 4AT39 3	x x x x x --
11.2	10	--	48.3		B 4AT43 0	x x x x x --
12.5	11.2	--	53.8		B 4AT43 1	x x x x x --
14	12.5	--	58.7		B 4AT43 2	x x x x x --
16	14	--	81.2		B 4AT45 0	x x x x x --

Additional prices for degree of protection IP00, IP23 and IP54, see page 10/49.

Before ordering, please ask for the complete Order No. (see page 10/4 for the inquiry/order address).

x = Additional price

-- = Not available

¹⁾ For autotransformers the type rating is always quoted.

²⁾ The specified rating is a typical maximum short-time rating at p.f. = 0.5.

³⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

⁴⁾ Types 4AM32 4 to 4AM40 4 have integrated standard rail mounting.

⁵⁾ The actual copper weight is listed in the price notice or the quotation; the transformer weight and total weight is reduced/increased by the difference.

* You can order this quantity or a multiple thereof.

Single-Phase Transformers

Safety, Isolating, Control and Mains Transformers

**SIRIUS 4AM, 4AT transformers
with selectable voltages**

Options for the enclosures of single-phase transformers
≤16 kVA in degree of protection IP00, IP23 or IP54



Order No. stem	Rated power with degree of protection ²⁾			Short-time rating $P_{\text{shortt.}}$	Degree of protection IP00, standard version	Additional price for the options			PU (UNIT, SET, M)	PS*	PG
	IP00, standard version	IP23	IP54			Degree of protection IP23	Degree of protection IP54				
	P_n kVA	P_n kVA	P_n kVA								
4AM transformers											
4AM23 4	0.025	0.023	0.02	--	None	x	x		1	1 unit	104
4AM26 4	0.04	0.036	0.032	--	None	x	x		1	1 unit	104
4AM32 4	0.063	0.057	0.05	0.19	None	x	x		1	1 unit	104
4AM34 4	0.1	0.09	0.08	0.31	None	x	x		1	1 unit	104
4AM38 4	0.16	0.145	0.128	0.49	None	x	x		1	1 unit	104
4AM40 4	0.25	0.225	0.2	0.85	None	x	x		1	1 unit	104
4AM43 4	0.315	0.268	0.236	1.12	None	x	x		1	1 unit	104
4AM46 4	0.4	0.34	0.3	1.44	None	x	x		1	1 unit	104
4AM48 4	0.5	0.425	0.375	2	None	x	x		1	1 unit	104
4AM52 4	0.63	0.535	0.475	2.35	None	x	x		1	1 unit	104
4AM55 4	0.8	0.68	0.6	3.4	None	x	x		1	1 unit	104
4AM57 4	1	0.85	0.75	5	None	x	x		1	1 unit	104
4AM61 4	1.6	1.36	1.2	7.3	None	x	x		1	1 unit	104
4AM64 4	2	1.7	1.5	9.7	None	x	x		1	1 unit	104
4AM65 4	2.5	2.13	1.875	13.3	None	x	x		1	1 unit	104
4AT transformers											
4AT30 3	4	3.6	3.15	17.8	None	x	x		1	1 unit	104
4AT36 1	5	4.5	4	19	None	x	x		1	1 unit	104
4AT36 3	6.3	5.6	5	24.5	None	x	x		1	1 unit	104
4AT39 1	8	7.1	6.3	31.1	None	x	x		1	1 unit	104
4AT39 3	10	9	8	36.4	None	x	x		1	1 unit	104
4AT43 0	11.2	10	--	48.3	None	x	--		1	1 unit	104
4AT43 1	12.5	11.2	--	53.8	None	x	--		1	1 unit	104
4AT43 2	14	12.5	--	58.7	None	x	--		1	1 unit	104
4AT45 0	16	14	--	81.2	None	x	--		1	1 unit	104

x = Additional price

-- = Not available

¹⁾ Exception: The enclosure for the 4AT45 0 transformers is not c⁺us approved.

²⁾ For autotransformers the type rating is always quoted.

Options

- Cage Clamp terminal; up to 24 V, without additional price
- Fuse terminal:
Device protection fuses for secondary-side short-circuit and overload protection with rated currents ≤ 6.3 A and a rated voltage of max. 440 V AC can be mounted on the 4AM transformers; screw or Cage Clamp terminals possible.
- Additional price on request.
- Rating plates made of metal:
One separately packed rating plate made of metal can be supplied per 4AM and 4AT transformer.
- Additional price on request.
- Deviations from the standard vector groups II0 or Ia0 for autotransformers must be specified when ordering.

Single-Phase Transformers

Power Transformers

General data

Overview

4BT.. transformers

With the right transformer, the right voltage will be available at any conditions.

Our transformers are the right choice for each application: They work reliably, safely and worldwide under a wide range of different conditions.

The 4BT single-phase power transformers can be configured as matching, auto- or converter transformers according to DIN VDE 0532-6 with selectable input and output voltages.

Our transformers provide optimal protection through high permissible ambient temperatures of up to 55 °C.

Benefits

- **c_{UL}us** approvals for the USA and Canada: can be used worldwide without any problems
- Comprehensive type spectrum: rapid availability

Application

4BT single-phase power transformers are implemented in industrial and building systems and control and distribution and are used to adapt the locally available mains voltage to the operational voltage of the system or its components. They also limit the possible short-circuit currents.

Power transformers with electrical isolation or designed as *autotransformers* are used for adapting machines and systems to the local voltages that are available at the installation site.

Furthermore *power transformers* can be used with electrical devices, for example in communications, medical engineering and domestic appliances. In drive systems, special *converter transformers* are used for voltage matching and *autotransformers* are used with infeed/regenerative feedback modules.

Single-Phase Transformers

Power Transformers

**SIRIUS 4BT transformers
with selectable voltages**

Overview

- 4BT transformers configured as matching, auto-¹⁾ or converter transformers according to DIN VDE 0532-6 with selectable input and output voltages in the performance range from 18 kVA to 250 kVA from 100 V to 1000 V and additional options
- c_{UL}us²⁾
- $t_a = 55 \text{ }^{\circ}\text{C}/\text{H}$
- Standard vector group: Ilo, for autotransformer: Ia0

¹⁾ For autotransformers the type rating is always quoted.

²⁾ c_{UL}us approvals for voltages $\leq 600 \text{ V}$ (excluding tappings) and degree of protection IP00.



4BT

Selection and ordering data

c_{UL}us¹⁾

Rated power ²⁾ P_n with degree of protection IP00, IP20, IP23 ³⁾	Selectable rated voltages U_{1N}, U_{2N}	DT ⁴⁾	Order No. stem	Basic price per PU	Additional price for standard options				Cu weight ⁵⁾ per PU approx.	Trans- former weight ⁵⁾ per PU approx.	Total weight ⁵⁾ including enclosure per PU approx.
					Two tappings in the range $\pm 5\%$ of the rated input or output voltage for constant power	One tapping on the input or output side for failing power	One additional separate winding on the input or output side	Shield winding (connection routed to terminal). Not possible for autotransformers.			
KVA	kVA								kg	kg	kg
18	16	100 ... 1000 V, with c _{UL} us	C 4BT45 0	x	x	x	x	x	18.500	85.000	129.000
20	18		C 4BT47 0	x	x	x	x	x	16.000	104.000	148.000
22.5	20	$\leq 600 \text{ V}$	C 4BT47 1	x	x	x	x	x	20.500	106.000	150.000
25	22.5	(excluding tappings)	C 4BT47 2	x	x	x	x	x	26.500	112.000	156.000
28	25		D 4BT51 0	x	x	x	x	x	25.000	109.000	160.000
31.5	28		D 4BT52 0	x	x	x	x	x	26.500	122.000	173.000
35.5	32		D 4BT53 0	x	x	x	x	x	28.000	135.000	186.000
40	36		D 4BT54 0	x	x	x	x	x	26.000	159.000	220.000
45	40.5		D 4BT54 1	x	x	x	x	x	33.000	166.000	227.000
50	45		D 4BT55 0	x	x	x	x	x	34.000	183.000	244.000
63	56.5		D 4BT56 0	x	x	x	x	x	45.000	214.000	275.000
80	72		D 4BT58 1	x	x	x	x	x	46.000	259.000	364.000
100	90		D 4BT59 0	x	x	x	x	x	60.500	302.000	407.000
125	112.5		D 4BT60 1	x	x	x	x	x	78.000	355.000	460.000
160	144		D 4BT62 1	x	x	x	x	x	100.000	444.000	579.000
200	180		D 4BT63 0	x	x	x	x	x	129.000	523.000	658.000
250	225		D 4BT65 0	x	x	x	x	x	134.500	646.000	781.000

Before ordering, please ask for the complete Order No. (see page 10/4 for the inquiry/order address).

x = Additional price

¹⁾ c_{UL}us approvals for voltages $\leq 600 \text{ V}$ (excluding tappings) and degree of protection IP00.

²⁾ For autotransformers the type rating is always quoted.

³⁾ No power reduction for ambient temperatures $\leq 40 \text{ }^{\circ}\text{C}$.

⁴⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

⁵⁾ The actual copper weight is listed in the price notice or the quotation; the transformer weight and total weight is reduced/increased by the difference.

Options

- Thermistor transformer protection for warning and/or disconnection:
The 4BT power transformers can be supplied with thermistor transformer protection for warning and/or disconnection, see note on Technical Information on page 10/1.

- Rating plates made of metal:
One separately packed rating plate made of metal can be supplied per 4BT transformer.

Additional price on request.

- Deviations from the standard vector groups Ilo or Ia0 for autotransformers must be specified when ordering.

Further versions with higher outputs up to 1250 kVA are available on request.

PG = 104

For transformer Type	Warning	Disconnection	Additional price for Warning and disconnection
4BT	x	x	x

x = Additional price

* You can order this quantity or a multiple thereof.

Single-Phase Transformers

Voltage Regulators

4FL voltage regulators, transformer type

Overview



4FL

- According to DIN VDE 0552
- Degree of protection IP21
- $t_a = 40^\circ\text{C}/\text{E}$

Application

The 4FL transformer-type voltage regulators are used as voltage stabilizers on supply systems with varying voltages. On the output of the voltage regulator, a constant voltage is available for the load which creates a constant machine performance which is immune to variations in the supply system.

Selection and ordering data

Rated voltage: PRI = SEC: 230 V, 50 Hz to 60 Hz

Settling time s	Rated power P_n kVA	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.	Total weight per PU approx.
Control range for input voltage: +10 % to -10 %									
1.5	2.2	D	4FL13 00-2CN	1	1 unit	114	1.300	25.000	
1.5	3.6	X	4FL16 00-2CN	1	1 unit	114	1.600	30.000	
1.5	5.6	X	4FL22 00-2CN	1	1 unit	114	2.800	35.000	
1.5	8.5	D	4FL26 00-2CN	1	1 unit	114	3.500	40.000	
1.5	11.5	D	4FL29 00-2CN	1	1 unit	114	5.100	45.000	
1.5	17	X	4FL33 00-2CN	1	1 unit	114	8.500	80.000	
1.5	22.5	X	4FL37 00-2CN	1	1 unit	114	10.800	90.000	
1.5	31.5	X	4FL41 00-2CN	1	1 unit	114	12.600	110.000	
1.5	63	X	4FL48 00-2CN	1	1 unit	114	32.200	220.000	
Control range for input voltage: +15 % to -15 %									
1.5	1.5	X	4FL11 10-2CN	1	1 unit	114	1.300	25.000	
1.5	2.2	D	4FL13 10-2CN	1	1 unit	114	1.600	30.000	
1.5	3.6	X	4FL16 10-2CN	1	1 unit	114	2.800	35.000	
1.5	5.3	X	4FL21 10-2CN	1	1 unit	114	3.500	40.000	
1.5	7	X	4FL24 10-2CN	1	1 unit	114	5.100	45.000	
1.5	11	D	4FL28 10-2CN	1	1 unit	114	8.500	80.000	
1.5	14	X	4FL30 10-2CN	1	1 unit	114	10.800	90.000	
1.5	20	X	4FL34 10-2CN	1	1 unit	114	12.600	110.000	
1.5	40	X	4FL44 10-2CN	1	1 unit	114	32.200	220.000	
Control range for input voltage: +20 % to -20 %									
1.5	1	D	4FL10 20-2CN	1	1 unit	114	1.300	25.000	
1.5	1.6	X	4FL12 20-2CN	1	1 unit	114	1.600	30.000	
1.5	2.5	D	4FL14 20-2CN	1	1 unit	114	2.800	35.000	
1.5	3.8	X	4FL17 20-2CN	1	1 unit	114	3.500	40.000	
1.5	5	X	4FL20 20-2CN	1	1 unit	114	5.100	45.000	
1.5	7.5	D	4FL25 20-2CN	1	1 unit	114	8.500	80.000	
1.5	10	X	4FL27 20-2CN	1	1 unit	114	10.800	90.000	
1.5	14	X	4FL30 20-2CN	1	1 unit	114	12.600	110.000	
1.5	28	X	4FL39 20-2CN	1	1 unit	114	32.200	220.000	

Further versions with higher outputs up to 2000 kVA, voltages up to 1 kV and control ranges up to +/- 30 % are available on request.

* You can order this quantity or a multiple thereof.

Single-Phase Transformers

Voltage Regulators

4FK voltage regulators, magnetic type

Overview



4FK31 to 4FK34 (left) and 4FK35 to 4FK38 (right)

- According to EN 61558, VDE 0570
- Performance range up to 0.06 kVA to 10 kVA
- Input voltage 230 V, +10/-20 %
- Output voltage 230 V, sinusoidal
- Frequency 50 Hz, ±0.5 %
- Other voltages or frequencies available
- Settling time from 40 ms to 60 ms
- $t_a = 40^\circ\text{C}$
- Degrees of protection: IP00 to IP54, IP65



Benefits

The magnetic-type voltage regulator has the following functions:

- Settling of mains voltage variations
- Maintaining the output voltage at a constant value despite load variations.
- Electrical separation of the output voltage from the input
- Transformation of the input voltage to the required output voltage
- Limitation of the output current in the event of an overload or short-circuit and therefore also limitation of the input current for protection of the other components
- Filtering of high-frequency faults and suppression of voltage peaks
- Filtering of distorted input voltages

Application

The 4FK magnetic-type voltage regulators are used for loads that are supplied with alternating voltage and that are particularly sensitive to voltage variations.

For detailed ordering information contact:

Anfrage@mdexx.com

Three-Phase Transformers

Safety, Isolating, Control and Mains Transformers

General data

Overview

4AP../4AU.. transformers

With the right transformer, the right voltage will be available at any conditions.

Our transformers are the right choice for each application: They work reliably, safely and worldwide under a wide range of different conditions.

The transformers with selectable input and output voltages are configured in user-friendly combinations as:

- Isolating, control and mains transformers according to EN 61558-2-4, -2-2, -2-1 or
- Safety, control and mains transformers according to EN 61558-2-6, -2-2, -2-1 or
- Autotransformers according to EN 61558-2-13

Note:

Mains transformers with ≤ 50 V on the output side are, in the case of SIRIUS transformers, always designed as safety transformers.

SIRIUS transformers provide optimal protection through high permissible ambient temperatures up to 40 °C or 55 °C, a high short-time rating in the case of control transformers, fuseless construction and due to their safety standard "Safety inside" EN 61558.

Benefits

- High short-time rating of the SIRIUS transformers: lower transformer rated power for a large number of contactors
- Suitable for "fuseless construction": The small inrush current means that "circuit breakers for motor protection" can also be used on the primary side
- c_{UL}us approvals for the USA and Canada: can be used worldwide without any problems
- Comprehensive type spectrum supplied from stock: rapid availability

Application

In industrial machines, process engineering, heating and air-conditioning equipment, etc., for supplying control and signaling circuits, when:

- Several electromagnetic loads (e. g. contactors) have to be controlled
- Control and signaling devices are used outside the control cabinet
- The operational voltage for the loads differs from the available voltage level
- Voltage matching for machines and installations with electrical isolation or as an autotransformer

Generally for voltage matching of electrical devices, e. g. in communications, medical engineering and domestic appliances.

Three-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AP, 4AU
isolating, control and mains transformers

Overview

- According to EN 61558-2-4, -2-2, -2-1
- CULUS**
- 4AP: $t_a = 40 \text{ }^{\circ}\text{C/B}$, 4AU: $t_a = 55 \text{ }^{\circ}\text{C/H}$
- AC 50/60 Hz
- Degree of protection IP00, IP23 and IP54



4AP20 (left) and 4AU (right)

Selection and ordering data

In two-voltage version

*Rated input voltage U_{1N} 3 AC $\sqrt{3} 500\text{-}400 \text{ V}/\Delta 289\text{-}230 \text{ V}$,
rated output voltage U_{2N} 3 AC $\sqrt{3} 400 \text{ V}/\Delta 230 \text{ V}$*



Rated power P_n kVA	Short-time rating $P_{short.}$ kVA	DT ²⁾	Screw terminals ^{3)/} flat connectors ³⁾		PU (UNIT, SET, M) Price per PU	PS*	PG	Cu weight per PU approx.	Total weight per PU approx.
			Order No.	Price per PU					
Degree of protection IP00									
0.63	1.8	▶	4AP20 42-8BC40-0HA0		1	1 unit	104	2.700	6.900
1	3.5	▶	4AP21 42-8BC40-0HA0		1	1 unit	104	3.300	10.800
1.6	6.9	▶	4AP25 42-8BC40-0HA0		1	1 unit	104	4.100	18.100
2.5	11	▶	4AP27 42-8BC40-0HA0		1	1 unit	104	4.800	25.800
4	20	▶	4AP30 42-8BC40-0HA0		1	1 unit	104	9.200	38.500
6.3	28	▶	4AU30 32-8BC40-0HA0		1	1 unit	104	13.500	43.000
8	32	▶	4AU36 12-8BC40-0HA0		1	1 unit	104	10.000	53.000
10	39	▶	4AU36 32-8BC40-0HA0		1	1 unit	104	16.300	60.000
12.5	49	▶	4AU39 12-8BC40-0HA0		1	1 unit	104	18.000	73.000
16	55	▶	4AU39 32-8BC40-0HA0		1	1 unit	104	32.800	89.000
Degree of protection IP23									
0.57	1.8	B	4AP20 42-8BC40-0HC0		1	1 unit	104	2.700	14.600
0.9	3.5	B	4AP21 42-8BC40-0HC0		1	1 unit	104	3.300	18.500
1.44	6.9	B	4AP25 42-8BC40-0HC0		1	1 unit	104	4.100	25.800
2.25	11	B	4AP27 42-8BC40-0HC0		1	1 unit	104	4.800	33.500
3.2	20	B	4AP30 42-8BC40-0HC0		1	1 unit	104	9.200	46.200
5	28	C	4AU30 32-8BC40-0HC0		1	1 unit	104	13.500	50.700
6.3	32	C	4AU36 12-8BC40-0HC0		1	1 unit	104	10.000	66.900
8	39	C	4AU36 32-8BC40-0HC0		1	1 unit	104	16.300	73.900
10	49	C	4AU39 12-8BC40-0HC0		1	1 unit	104	18.000	86.900
12.5	55	C	4AU39 32-8BC40-0HC0		1	1 unit	104	32.800	102.000
Degree of protection IP54									
0.44	1.8	B	4AP20 42-8BC40-0HD0		1	1 unit	104	2.700	14.600
0.8	3.5	B	4AP21 42-8BC40-0HD0		1	1 unit	104	3.300	18.500
1.12	6.9	B	4AP25 42-8BC40-0HD0		1	1 unit	104	4.100	25.800
2	11	B	4AP27 42-8BC40-0HD0		1	1 unit	104	4.800	33.500
2.8	20	B	4AP30 42-8BC40-0HD0		1	1 unit	104	9.200	46.200
4.4	28	C	4AU30 32-8BC40-0HD0		1	1 unit	104	13.500	50.700
5.6	32	C	4AU36 12-8BC40-0HD0		1	1 unit	104	10.000	66.900
7.1	39	C	4AU36 32-8BC40-0HD0		1	1 unit	104	16.300	73.900
8.8	49	C	4AU39 12-8BC40-0HD0		1	1 unit	104	18.000	86.900
11.2	55	C	4AU39 32-8BC40-0HD0		1	1 unit	104	32.800	102.000

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AU transformers are only supplied with screw terminals.

Three-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AP, 4AU isolating, control and mains transformers

In multi-voltage version

Rated input voltage U_{1N} 3 AC Y 520-500-480-460-440-420-400-380-360 V/ Δ 300-289-277-266-254-240-230-220-208 V,
rated output voltage U_{2N} 3 AC Y 400 V/ Δ 230 V

C ∇ us, \emptyset , \triangle , \emptyset

Rated power P_n kVA	Short-time rating $P_{\text{shortt.}}^1)$ kVA	DT ²⁾	Screw terminals ³⁾ / flat connectors ³⁾ Order No.	PU (UNIT, SET, M) Price per PU	PS*	PG	Cu weight per PU approx. kg	Total weight per PU approx. kg
Degree of protection IP00								
0.63	1.8	B	4AP20 42-8CC40-0HA0	1	1 unit	104	2.800	7.100
1	3.5	B	4AP21 42-8CC40-0HA0	1	1 unit	104	2.900	10.400
1.6	6.9	B	4AP25 42-8CC40-0HA0	1	1 unit	104	4.800	19.700
2.5	11	B	4AP27 42-8CC40-0HA0	1	1 unit	104	5.200	27.000
4	20	►	4AP30 42-8CC40-0HA0	1	1 unit	104	9.400	39.400
6.3	28	C	4AU30 32-8CC40-0HA0	1	1 unit	104	16.000	47.000
8	32	C	4AU36 12-8CC40-0HA0	1	1 unit	104	13.000	56.000
10	39	C	4AU36 32-8CC40-0HA0	1	1 unit	104	21.000	65.000
12.5	49	C	4AU39 12-8CC40-0HA0	1	1 unit	104	24.000	78.000
16	55	C	4AU39 32-8CC40-0HA0	1	1 unit	104	43.000	99.000
Degree of protection IP23								
0.57	1.8	B	4AP20 42-8CC40-0HC0	1	1 unit	104	2.800	14.800
0.9	3.5	B	4AP21 42-8CC40-0HC0	1	1 unit	104	2.900	17.900
1.44	6.9	B	4AP25 42-8CC40-0HC0	1	1 unit	104	4.800	27.400
2.25	11	B	4AP27 42-8CC40-0HC0	1	1 unit	104	5.200	34.700
3.2	20	B	4AP30 42-8CC40-0HC0	1	1 unit	104	9.400	47.100
5	28	C	4AU30 32-8CC40-0HC0	1	1 unit	104	16.000	54.700
6.3	32	C	4AU36 12-8CC40-0HC0	1	1 unit	104	13.000	69.900
8	39	C	4AU36 32-8CC40-0HC0	1	1 unit	104	21.000	78.900
10	49	C	4AU39 12-8CC40-0HC0	1	1 unit	104	24.000	91.900
12.5	55	C	4AU39 32-8CC40-0HC0	1	1 unit	104	43.000	112.900
Degree of protection IP54								
0.44	1.8	B	4AP20 42-8CC40-0HD0	1	1 unit	104	2.800	14.800
0.8	3.5	B	4AP21 42-8CC40-0HD0	1	1 unit	104	2.900	18.100
1.12	6.9	B	4AP25 42-8CC40-0HD0	1	1 unit	104	4.800	27.000
2	11	B	4AP27 42-8CC40-0HD0	1	1 unit	104	5.200	34.700
2.8	20	B	4AP30 42-8CC40-0HD0	1	1 unit	104	9.400	47.100
4.4	28	C	4AU30 32-8CC40-0HD0	1	1 unit	104	16.000	54.700
5.6	32	C	4AU36 12-8CC40-0HD0	1	1 unit	104	13.000	69.900
7.1	39	C	4AU36 32-8CC40-0HD0	1	1 unit	104	21.000	78.900
8.8	49	C	4AU39 12-8CC40-0HD0	1	1 unit	104	24.000	91.900
11.2	55	C	4AU39 32-8CC40-0HD0	1	1 unit	104	43.000	112.900

¹⁾ For p.f. = 0.5 and $U_2 = 0.95 \times U_{2N}$.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

³⁾ The 4AU transformers are only supplied with screw terminals.

Three-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AP isolating and mains transformers

Overview

- According to EN 61558-2-4, -2-1
-  
- $t_a = 40 \text{ }^{\circ}\text{C}/\text{B}$
- AC 50/60 Hz
- Degree of protection IP00, IP23 and IP54



 

4AP17

Selection and ordering data

In two-voltage version

Rated input voltage U_{1N} 3 AC $\sqrt[3]{500-400}$ V/ Δ 289-230 V,
rated output voltage U_{2N} 3 AC $\sqrt[3]{400}$ V/ Δ 230 V

 

Rated power P_n kVA	DT ¹⁾ Order No.	Screw terminals/ flat connectors	Price per PU	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.	Total weight per PU approx.
								
Degree of protection IP00								
0.16	►	4AP17 42-8BC40-0HA0		1	1 unit	104	0.800	3.100
0.25	B	4AP18 42-8BC40-0HA0		1	1 unit	104	1.300	4.200
0.4	►	4AP19 42-8BC40-0HA0		1	1 unit	104	1.200	5.400
Degree of protection IP23								
0.14	B	4AP17 42-8BC40-0HC0		1	1 unit	104	0.800	6.000
0.23	B	4AP18 42-8BC40-0HC0		1	1 unit	104	1.300	7.100
0.36	B	4AP19 42-8BC40-0HC0		1	1 unit	104	1.200	8.300
Degree of protection IP54								
0.11	B	4AP17 42-8BC40-0HD0		1	1 unit	104	0.800	6.000
0.2	B	4AP18 42-8BC40-0HD0		1	1 unit	104	1.300	7.100
0.32	B	4AP19 42-8BC40-0HD0		1	1 unit	104	1.200	8.300

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AP, 4AU transformers with selectable voltages

Overview

- 4AP and 4AU transformers configured as isolating, control and mains transformers according to EN 61558-2-4, -2-2, -2-1 or as safety, control and mains transformers according to EN 61558-2-6, -2-2, -2-1, or as autotransformers according to EN 61558-2-13 with selectable input and output voltages in the performance range from 0.025 kVA to 16 kVA (for autotransformers the type rating is always quoted) and additional options
- **cPlus**
- 4AP: $t_a = 40 \text{ }^{\circ}\text{C/B}$, 4AU: $t_a = 55 \text{ }^{\circ}\text{C/H}$
- Standard vector group: Dyn5, for autotransformer: Ya0



4AP20 (left) and 4AU (right)



Selection and ordering data



Rated power ¹⁾ P_n with degree of protection			Short-time rating ²⁾ $P_{\text{shortt.}}$	Selectable rated voltages U_{1N}, U_{2N}	DT ³⁾	Order No. stem	Basic price per PU	Additional price for standard options				Cu weight ⁵⁾ per PU approx.	Transformer weight ⁵⁾ per PU approx.	Total weight ⁵⁾ including enclosure per PU approx.
IP00	IP23	IP54						Two tapings in the range ±5 % of the rated input or output voltage for constant output	One tapping on the input or output side for falling power; neutral point connected to terminal ⁴⁾	One additional separate winding on the input or output side	Shield winding (connection routed to terminal). This is not possible for autotransformers.			
kVA	kVA	kVA	kVA									kg	kg	kg
4AP transformers														
0.16	0.14	0.11	--	12 ... 690 V, (line-to-line voltage U_l) Y or Δ	B	4AP17 4	x	x	x	x	x	0.700	3.100	6.000
0.25	0.23	0.2	--		B	4AP18 4	x	x	x	x	x	1.250	4.400	7.300
0.4	0.35	0.32	--		B	4AP19 4	x	x	x	x	x	1.100	5.400	8.300
0.63	0.57	0.44	1.8	max. 600 V	B	4AP20 4	x	x	x	x	x	2.800	7.100	14.800
1	0.9	0.8	3.5	(excluding tap-pings)	B	4AP21 4	x	x	x	x	x	3.300	10.700	18.400
1.6	1.44	1.12	6.9		B	4AP25 4	x	x	x	x	x	3.700	17.700	25.400
2.5	2.25	2	11		B	4AP27 4	x	x	x	x	x	4.800	23.800	31.500
4	3.2	2.8	20		B	4AP30 4	x	x	x	x	x	8.000	34.300	42.000
5	4	3.5	25		B	4AP30 5	x	x	x	x	x	12.700	39.700	47.400
4AU transformers														
6.3	5	4.4	28	24 ... 690 V, (line-to-line voltage U_l) Y or Δ	B	4AU30 3	x	x	x	x	x	11.600	42.000	49.700
8	6.8	5.6	31.5		B	4AU36 1	x	x	x	x	x	10.000	52.000	65.900
10	8	7.1	39		B	4AU36 3	x	x	x	x	x	15.000	57.000	70.900
12.5	10	8.8	49	max. 600 V	B	4AU39 1	x	x	x	x	x	17.200	67.000	80.900
16	12.5	11.2	55	(excluding tap-pings)	B	4AU39 3	x	x	x	x	x	30.000	81.000	94.900

Additional prices for degree of protection IP00, IP23 and IP54, see page 10/59.

Before ordering, please ask for the complete Order No. (see page 10/4 for the inquiry/order address).

x = Additional price

¹⁾ For autotransformers the type rating is always quoted.

²⁾ The specified rating is a typical maximum short-time rating at p.f. = 0.5.

³⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

⁴⁾ With three-phase transformers, an additional price is charged for neutral point connected to terminal $1/3$.

⁵⁾ The actual copper weight is listed in the price notice or the quotation; the transformer weight and total weight is reduced/increased by the difference.

Three-Phase Transformers

Safety, Isolating, Control and Mains Transformers

**SIRIUS 4AP, 4AU transformers
with selectable voltages**

Options for the enclosures of three-phase transformers ≤ 16 kVA in degree of protection IP00, IP23 or IP54



Order No. stem	Rated power ¹⁾		Degree of protection IP23	Degree of protection IP54	Short-time rating $P_{shortt.}$	Additional price for the options			PU (UNIT, SET, M)	PS*	PG
	Degree of protection IP00, standard version	P_n kVA				P_n kVA	P_n kVA	kVA			
4AP transformers											
4AP17 4	0.16	0.14	0.11	--		None	x	x	1	1 unit	104
4AP18 4	0.25	0.23	0.2	--		None	x	x	1	1 unit	104
4AP19 4	0.4	0.35	0.32	--		None	x	x	1	1 unit	104
4AP20 4	0.63	0.57	0.44	1.8		None	x	x	1	1 unit	104
4AP21 4	1	0.9	0.8	3.5		None	x	x	1	1 unit	104
4AP25 4	1.6	1.44	1.12	6.9		None	x	x	1	1 unit	104
4AP27 4	2.5	2.25	2	11		None	x	x	1	1 unit	104
4AP30 4	4	3.2	2.8	20		None	x	x	1	1 unit	104
4AP30 5	5	4	3.5	25		None	x	x	1	1 unit	104
4AU transformers											
4AU30 3	6.3	5	4.4	28		None	x	x	1	1 unit	104
4AU36 1	8	6.8	5.6	31.5		None	x	x	1	1 unit	104
4AU36 3	10	8	7.1	39		None	x	x	1	1 unit	104
4AU39 1	12.5	10	8.8	49		None	x	x	1	1 unit	104
4AU39 3	16	12.5	11.2	55		None	x	x	1	1 unit	104

Please inquire about other transformer enclosures.

x = Additional price

¹⁾ For autotransformers the type rating is always quoted.

Options

- Rating plates made of metal:
One separately packed rating plate made of metal can be supplied per 4AP transformer.
- Deviations from the standard vector groups Dyn5 or Ya0 for autotransformers must be specified when ordering.

Additional price on request.

Three-Phase Transformers

Safety, Isolating, Control and Mains Transformers

SIRIUS 4AP, 4AU autotransformers for mains matching

Overview

- Shared input and output windings without electrical separation
- Enable the voltage matching of electrical loads
- Designed for uninterrupted duty (100 % duty ratio)
- Vector group YNa0
- 4AP: $t_a = 50^\circ\text{C}$ (T50/B), 4AU: $t_a = 55^\circ\text{C}$ (T55/H)
- cULus



4AP (left) and 4AU (right)

Selection and ordering data

*Rated input voltage U_{1N} 3 AC 480-460-440-415-380 V, 50 ... 60 Hz,
rated output voltage U_{2N} 3 AC 400 V*

cULus, UL

Rated power P_n	Power loss approx.	DT ¹⁾	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.	Total weight per PU approx.
kVA	W							kg	kg

Rated power figures are nominal and refer to the input voltage of 480 V.

Higher power values for the other input voltages can be found in the table in the technical specifications, [see note on Technical Information on page 10/1](#).

Degree of protection IP00

5	86	►	4AP21 42-8HA20-2XA0	1	1 unit	104	3.300	11.000
9.1	130	B	4AP25 52-8HA20-2XA0	1	1 unit	104	6.000	20.000
12.5	155	B	4AP27 42-8HA20-2XA0	1	1 unit	104	5.400	25.000
16	160	B	4AP27 52-8HA20-2XA0	1	1 unit	104	6.000	30.000
22.5	210	B	4AP30 52-8HA20-2XA0	1	1 unit	104	13.000	42.000
31.5	290	C	4AU30 32-8HA20-2XA0	1	1 unit	104	11.600	42.000
50	480	C	4AU36 32-8HA20-2XA0	1	1 unit	104	14.000	57.000

Degree of protection IP23

4.5	70	C	4AP21 42-8HA20-2XC0	1	1 unit	104	3.300	18.700
8.2	100	B	4AP25 52-8HA20-2XC0	1	1 unit	104	6.000	27.700
11.3	125	B	4AP27 42-8HA20-2XC0	1	1 unit	104	5.400	32.700
14.4	120	B	4AP27 52-8HA20-2XC0	1	1 unit	104	10.400	37.700
18	156	C	4AP30 52-8HA20-2XC0	1	1 unit	104	13.000	49.700
25.2	205	C	4AU30 32-8HA20-2XC0	1	1 unit	104	11.600	49.700
40	335	C	4AU36 32-8HA20-2XC0	1	1 unit	104	14.000	70.900

Degree of protection IP54

4	60	B	4AP21 42-8HA20-2XD0	1	1 unit	104	3.300	18.700
7.3	90	B	4AP25 52-8HA20-2XD0	1	1 unit	104	6.000	27.700
10	110	C	4AP27 42-8HA20-2XD0	1	1 unit	104	5.400	32.700
12.8	105	B	4AP27 52-8HA20-2XD0	1	1 unit	104	10.400	37.700
15.8	135	B	4AP30 52-8HA20-2XD0	1	1 unit	104	13.000	49.700
22.1	170	C	4AU30 32-8HA20-2XD0	1	1 unit	104	11.600	49.700
35	274	C	4AU36 32-8HA20-2XD0	1	1 unit	104	14.000	85.000

¹⁾ The delivery time class depends on the quantity, [see page 10/4 "Options"](#).

Three-Phase Transformers

Safety, Isolating, Control and Mains Transformers

**SIRIUS 4AP, 4AU autotransformers
for mains matching**

*Rated input voltage U_{1N} 3 AC 480-460-440-415-400 (380)¹⁾ V, 50 ... 60 Hz,
rated output voltage U_{2N} 3 AC 230 (220)¹⁾ V*

cWus, 

Rated power P_n	Power loss approx.	DT ²⁾	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Cu weight per PU approx.	Total weight per PU approx.
kVA	W						kg	kg	
Degree of protection IP00									
5	140	B	4AP27 42-8JT10-2XA0	1	1 unit	104	5.000	25.000	
9.1	210	B	4AP30 52-8JT10-2XA0	1	1 unit	104	14.000	41.000	
12.5	275	C	4AU30 32-8JT10-2XA0	1	1 unit	104	12.300	42.000	
16	380	C	4AU36 12-8JT10-2XA0	1	1 unit	104	11.000	53.000	
22.5	390	C	4AU36 42-8JT10-2XA0	1	1 unit	104	23.000	65.000	
31.5	480	C	4AU39 32-8JT10-2XA0	1	1 unit	104	34.000	85.000	
Degree of protection IP23									
4.5	125	B	4AP27 42-8JT10-2XC0	1	1 unit	104	5.000	32.700	
7.3	140	B	4AP30 52-8JT10-2XC0	1	1 unit	104	14.000	48.700	
10	190	C	4AU30 32-8JT10-2XC0	1	1 unit	104	12.300	49.700	
12.8	265	C	4AU36 12-8JT10-2XC0	1	1 unit	104	11.000	66.900	
18	270	C	4AU36 42-8JT10-2XC0	1	1 unit	104	23.000	78.900	
25.2	330	C	4AU39 32-8JT10-2XC0	1	1 unit	104	34.000	98.900	
Degree of protection IP54									
4	110	B	4AP27 42-8JT10-2XD0	1	1 unit	104	5.000	32.700	
6.4	120	B	4AP30 52-8JT10-2XD0	1	1 unit	104	14.000	48.700	
8.8	160	C	4AU30 32-8JT10-2XD0	1	1 unit	104	12.300	49.700	
11.2	220	C	4AU36 12-8JT10-2XD0	1	1 unit	104	11.000	66.900	
15.8	225	C	4AU36 42-8JT10-2XD0	1	1 unit	104	23.000	78.900	
22.1	280	C	4AU39 32-8JT10-2XD0	1	1 unit	104	34.000	98.900	

¹⁾ Operating with 380 V AC three-phase at the input terminals results in an output voltage of 220 V AC three-phase.

²⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

General data

Overview

4BU.. transformers

With the right transformer, the right voltage will be available at any conditions.

Our transformers are the right choice for each application: They work reliably, safely and worldwide under a wide range of different conditions.

4BU three-phase power transformers:

- Are available as matching transformers with one input/output voltage according to DIN VDE 0532-6
- Can be configured as matching, auto- or converter transformers according to DIN VDE 0532-6 with selectable input and output voltages.

Our transformers provide optimal protection through high permissible ambient temperatures of up to 40 °C or 55 °C.

Application

4BU three-phase power transformers are implemented in industrial and building systems and control and distribution and are used to adapt the locally available mains voltage to the operational voltage of the system or its components. They also limit the possible short-circuit currents.

Power transformers with electrical isolation or designed as *autotransformers* are used for adapting machines and systems to the local voltages that are available at the installation site.

Furthermore *power transformers* can be used with electrical devices, for example in communications, medical engineering and domestic appliances. In drive systems, special *converter transformers* are used for voltage matching and *autotransformers* are used with infeed/regenerative feedback modules.

Benefits

- **c_{UL}us** approvals for the USA and Canada: can be used worldwide without any problems
- Comprehensive type spectrum: rapid availability

SIRIUS 4BU matching transformers

Overview

- DIN VDE 0532-6
- AC 50/60 Hz
- Δ or γ (see Selection and ordering data)
- $t_a = 40^\circ\text{C}/\text{H}$ or $t_a = 55^\circ\text{C}/\text{H}$
(see Selection and ordering data)
- Degree of protection IP00



4BU

Selection and ordering data

With one input voltage

Rated input voltage U_{1N} 3 AC 400 V, 400 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC γ 208 V,
 $t_a = 40^\circ\text{C}/\text{H}$

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾ Vector group Yyn0	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
	KVA	Order No.	Price per PU							
Rated input voltage U_{1N} 3 AC 400 V										
18	C 4BU43 32-2AR10-2DA0	20.700	110.000	C	4BU43 32-2AR10-2CA0	20.700	110.000			
20	C 4BU43 42-2AR10-2DA0	25.000	103.000	C	4BU43 42-2AR10-2CA0	25.000	103.000			
22.5	C 4BU43 52-2AR10-2DA0	33.000	112.000	C	4BU43 52-2AR10-2CA0	33.000	112.000			
25	D 4BU45 32-2AR10-2DA0	24.000	129.000	C	4BU45 32-2AR10-2CA0	26.320	140.000			
28	D 4BU45 42-2AR10-2DA0	31.500	136.000	D	4BU45 42-2AR10-2CA0	31.500	136.000			
31.5	C 4BU47 32-2AR10-2DA0	28.000	163.000	D	4BU47 32-2AR10-2CA0	28.000	163.000			
35.5	D 4BU47 42-2AR10-2DA0	37.000	171.000	D	4BU47 42-2AR10-2CA0	37.000	171.000			
40	D 4BU47 52-2AR10-2DA0	48.500	184.000	D	4BU47 52-2AR10-2CA0	48.500	184.000			
45	D 4BU52 32-2AR10-2DA0	45.000	181.000	D	4BU52 32-2AR10-2CA0	45.000	181.000			
50	D 4BU53 32-2AR10-2DA0	48.000	201.000	D	4BU53 32-2AR10-2CA0	48.000	201.000			
56	D 4BU53 42-2AR10-2DA0	62.000	214.000	D	4BU53 42-2AR10-2CA0	62.000	214.000			
63	D 4BU54 32-2AR10-2DA0	43.000	258.000	D	4BU54 32-2AR10-2CA0	43.000	258.000			
71	D 4BU54 42-2AR10-2DA0	56.000	271.000	D	4BU54 42-2AR10-2CA0	56.000	271.000			
80	D 4BU55 32-2AR10-2DA0	60.000	301.000	D	4BU55 32-2AR10-2CA0	60.000	301.000			
91	D 4BU56 32-2AR10-2DA0	63.000	338.000	D	4BU56 32-2AR10-2CA0	63.000	338.000			
100	D 4BU56 42-2AR10-2DA0	78.000	352.000	D	4BU56 42-2AR10-2CA0	78.000	352.000			
112	X 4BU58 32-2AR10-2DA0	56.000	420.000	X	4BU58 32-2AR10-2CA0	56.000	420.000			
125	X 4BU58 42-2AR10-2DA0	70.500	434.000	X	4BU58 42-2AR10-2CA0	70.500	434.000			
140	X 4BU58 52-2AR10-2DA0	90.000	454.000	X	4BU58 52-2AR10-2CA0	90.000	454.000			
160	X 4BU59 32-2AR10-2DA0	96.000	508.000	X	4BU59 32-2AR10-2CA0	96.000	508.000			
180	X 4BU60 32-2AR10-2DA0	98.000	571.000	X	4BU60 32-2AR10-2CA0	98.000	571.000			
Rated input voltage U_{1N} 3 AC 400 V $\pm 5\%$										
18	C 4BU43 32-5AR10-2DA0	21.000	101.000	C	4BU43 32-5AR10-2CA0	21.000	101.000			
20	C 4BU43 42-5AR10-2DA0	27.000	105.000	C	4BU43 42-5AR10-2CA0	27.000	105.000			
22.5	C 4BU43 52-5AR10-2DA0	36.000	115.000	C	4BU43 52-5AR10-2CA0	36.000	115.000			
25	D 4BU45 32-5AR10-2DA0	26.000	131.000	D	4BU45 32-5AR10-2CA0	26.000	131.000			
28	C 4BU45 42-5AR10-2DA0	34.000	139.000	D	4BU45 42-5AR10-2CA0	34.000	139.000			
31.5	D 4BU47 32-5AR10-2DA0	30.500	166.000	D	4BU47 32-5AR10-2CA0	30.500	166.000			
35.5	D 4BU47 42-5AR10-2DA0	40.000	174.000	D	4BU47 42-5AR10-2CA0	40.000	174.000			
40	D 4BU47 52-5AR10-2DA0	52.500	188.000	D	4BU47 52-5AR10-2CA0	52.500	188.000			
45	D 4BU52 32-5AR10-2DA0	49.000	185.000	D	4BU52 32-5AR10-2CA0	49.000	185.000			
50	D 4BU53 32-5AR10-2DA0	52.000	205.000	D	4BU53 32-5AR10-2CA0	52.000	205.000			
56	D 4BU53 42-5AR10-2DA0	67.000	219.000	D	4BU53 42-5AR10-2CA0	67.000	219.000			
63	D 4BU54 32-5AR10-2DA0	46.500	262.000	D	4BU54 32-5AR10-2CA0	46.500	262.000			
71	D 4BU54 42-5AR10-2DA0	60.500	276.000	D	4BU54 42-5AR10-2CA0	60.500	276.000			
80	D 4BU55 32-5AR10-2DA0	65.000	306.000	D	4BU55 32-5AR10-2CA0	65.000	306.000			
91	D 4BU56 32-5AR10-2DA0	68.000	343.000	D	4BU56 32-5AR10-2CA0	68.000	343.000			
100	D 4BU56 42-5AR10-2DA0	84.500	359.000	D	4BU56 42-5AR10-2CA0	84.500	359.000			
112	X 4BU58 32-5AR10-2DA0	60.500	425.000	X	4BU58 32-5AR10-2CA0	60.500	425.000			
125	X 4BU58 42-5AR10-2DA0	76.500	440.000	X	4BU58 42-5AR10-2CA0	76.500	440.000			
140	X 4BU58 52-5AR10-2DA0	97.500	462.000	X	4BU58 52-5AR10-2CA0	97.500	462.000			
160	X 4BU59 32-5AR10-2DA0	104.000	516.000	X	4BU59 32-5AR10-2CA0	104.000	516.000			
180	X 4BU60 32-5AR10-2DA0	106.000	579.000	X	4BU60 32-5AR10-2CA0	106.000	579.000			

More products with higher ratings and degrees of protection IP20 and IP23 can be found in the interactive Catalog CA 01 and Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers

With one input voltage

Rated input voltage U_{1N} 3 AC 440 V, 440 V $\pm 5\%$,
 rated output voltage U_{2N} 3 AC Y 208 V,
 $t_a = 40^\circ\text{C}/\text{H}$

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 440 V										
18	C 4BU43 32-2CR10-2DA0	19.500	99.000	C	4BU43 32-2CR10-2CA0	19.500	99.000			
20	C 4BU43 42-2CR10-2DA0	25.000	103.000	C	4BU43 42-2CR10-2CA0	25.000	103.000			
22.5	C 4BU43 52-2CR10-2DA0	33.000	112.000	C	4BU43 52-2CR10-2CA0	33.000	112.000			
25	D 4BU45 32-2CR10-2DA0	24.000	129.000	D	4BU45 32-2CR10-2CA0	24.000	129.000			
28	D 4BU45 42-2CR10-2DA0	31.500	136.000	D	4BU45 42-2CR10-2CA0	31.500	136.000			
31.5	D 4BU47 32-2CR10-2DA0	28.000	163.000	D	4BU47 32-2CR10-2CA0	28.000	163.000			
35.5	D 4BU47 42-2CR10-2DA0	37.000	171.000	D	4BU47 42-2CR10-2CA0	37.000	171.000			
40	D 4BU47 52-2CR10-2DA0	48.500	184.000	D	4BU47 52-2CR10-2CA0	48.500	184.000			
45	D 4BU52 32-2CR10-2DA0	45.000	181.000	D	4BU52 32-2CR10-2CA0	45.000	181.000			
50	D 4BU53 32-2CR10-2DA0	48.000	201.000	D	4BU53 32-2CR10-2CA0	48.000	201.000			
56	D 4BU53 42-2CR10-2DA0	62.000	214.000	D	4BU53 42-2CR10-2CA0	62.000	214.000			
63	D 4BU54 32-2CR10-2DA0	43.000	258.000	D	4BU54 32-2CR10-2CA0	43.000	258.000			
71	D 4BU54 42-2CR10-2DA0	56.000	271.000	D	4BU54 42-2CR10-2CA0	56.000	271.000			
80	D 4BU55 32-2CR10-2DA0	60.000	301.000	D	4BU55 32-2CR10-2CA0	60.000	301.000			
91	D 4BU56 32-2CR10-2DA0	63.000	338.000	D	4BU56 32-2CR10-2CA0	63.000	338.000			
100	D 4BU56 42-2CR10-2DA0	78.000	352.000	D	4BU56 42-2CR10-2CA0	78.000	352.000			
112	X 4BU58 32-2CR10-2DA0	56.000	420.000	X	4BU58 32-2CR10-2CA0	56.000	420.000			
125	X 4BU58 42-2CR10-2DA0	70.500	434.000	X	4BU58 42-2CR10-2CA0	70.500	434.000			
140	X 4BU58 52-2CR10-2DA0	90.000	454.000	X	4BU58 52-2CR10-2CA0	90.000	454.000			
160	X 4BU59 32-2CR10-2DA0	96.000	508.000	X	4BU59 32-2CR10-2CA0	96.000	508.000			
180	X 4BU60 32-2CR10-2DA0	98.000	571.000	X	4BU60 32-2CR10-2CA0	98.000	571.000			
Rated input voltage U_{1N} 3 AC 440 V $\pm 5\%$										
18	C 4BU43 32-5CR10-2DA0	21.000	101.000	C	4BU43 32-5CR10-2CA0	21.000	101.000			
20	C 4BU43 42-5CR10-2DA0	27.000	105.000	C	4BU43 42-5CR10-2CA0	27.000	105.000			
22.5	C 4BU43 52-5CR10-2DA0	36.000	115.000	C	4BU43 52-5CR10-2CA0	36.000	115.000			
25	D 4BU45 32-5CR10-2DA0	26.000	131.000	D	4BU45 32-5CR10-2CA0	26.000	131.000			
28	D 4BU45 42-5CR10-2DA0	34.000	139.000	D	4BU45 42-5CR10-2CA0	34.000	139.000			
31.5	D 4BU47 32-5CR10-2DA0	30.500	166.000	D	4BU47 32-5CR10-2CA0	30.500	166.000			
35.5	D 4BU47 42-5CR10-2DA0	40.000	174.000	D	4BU47 42-5CR10-2CA0	40.000	174.000			
40	D 4BU47 52-5CR10-2DA0	52.500	188.000	D	4BU47 52-5CR10-2CA0	52.500	188.000			
45	D 4BU52 32-5CR10-2DA0	49.000	185.000	D	4BU52 32-5CR10-2CA0	49.000	185.000			
50	D 4BU53 32-5CR10-2DA0	52.000	205.000	D	4BU53 32-5CR10-2CA0	52.000	205.000			
56	D 4BU53 42-5CR10-2DA0	67.000	219.000	D	4BU53 42-5CR10-2CA0	67.000	219.000			
63	D 4BU54 32-5CR10-2DA0	46.500	262.000	D	4BU54 32-5CR10-2CA0	46.500	262.000			
71	D 4BU54 42-5CR10-2DA0	60.500	276.000	D	4BU54 42-5CR10-2CA0	60.500	276.000			
80	D 4BU55 32-5CR10-2DA0	65.000	306.000	D	4BU55 32-5CR10-2CA0	65.000	306.000			
91	D 4BU56 32-5CR10-2DA0	68.000	343.000	D	4BU56 32-5CR10-2CA0	68.000	343.000			
100	D 4BU56 42-5CR10-2DA0	84.500	359.000	D	4BU56 42-5CR10-2CA0	84.500	359.000			
112	X 4BU58 32-5CR10-2DA0	60.500	425.000	X	4BU58 32-5CR10-2CA0	60.500	425.000			
125	X 4BU58 42-5CR10-2DA0	76.500	440.000	X	4BU58 42-5CR10-2CA0	76.500	440.000			
140	X 4BU58 52-5CR10-2DA0	97.500	462.000	X	4BU58 52-5CR10-2CA0	97.500	462.000			
160	X 4BU59 32-5CR10-2DA0	104.000	516.000	X	4BU59 32-5CR10-2CA0	104.000	516.000			
180	X 4BU60 32-5CR10-2DA0	106.000	579.000	X	4BU60 32-5CR10-2CA0	106.000	579.000			

More products with higher ratings and degrees of protection
 IP20 and IP23 can be found in the interactive Catalog CA 01 and
 Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

SIRIUS 4BU matching transformers

With one input voltage

Rated input voltage U_{1N} 3 AC 480 V, 480 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC Y208 V,
 $t_a = 40^\circ\text{C}/\text{H}$

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 480 V										
18	C 4BU43 32-2ER10-2DA0	19.500	99.000	C	4BU43 32-2ER10-2CA0	19.500	99.000			
20	C 4BU43 42-2ER10-2DA0	25.000	103.000	C	4BU43 42-2ER10-2CA0	25.000	103.000			
22.5	C 4BU43 52-2ER10-2DA0	33.000	112.000	C	4BU43 52-2ER10-2CA0	33.000	112.000			
25	C 4BU45 32-2ER10-2DA0	24.000	129.000	D	4BU45 32-2ER10-2CA0	24.000	129.000			
28	D 4BU45 42-2ER10-2DA0	31.500	136.000	D	4BU45 42-2ER10-2CA0	31.500	136.000			
31.5	C 4BU47 32-2ER10-2DA0	28.000	163.000	D	4BU47 32-2ER10-2CA0	28.000	163.000			
35.5	D 4BU47 42-2ER10-2DA0	37.000	171.000	D	4BU47 42-2ER10-2CA0	37.000	171.000			
40	D 4BU47 52-2ER10-2DA0	48.500	184.000	D	4BU47 52-2ER10-2CA0	48.500	184.000			
45	D 4BU52 32-2ER10-2DA0	45.000	181.000	D	4BU52 32-2ER10-2CA0	45.000	181.000			
50	D 4BU53 32-2ER10-2DA0	48.000	201.000	D	4BU53 32-2ER10-2CA0	48.000	201.000			
56	D 4BU53 42-2ER10-2DA0	62.000	214.000	D	4BU53 42-2ER10-2CA0	62.000	214.000			
63	D 4BU54 32-2ER10-2DA0	43.000	258.000	D	4BU54 32-2ER10-2CA0	43.000	258.000			
71	D 4BU54 42-2ER10-2DA0	56.000	271.000	D	4BU54 42-2ER10-2CA0	56.000	271.000			
80	D 4BU55 32-2ER10-2DA0	60.000	301.000	D	4BU55 32-2ER10-2CA0	60.000	301.000			
91	D 4BU56 32-2ER10-2DA0	63.000	338.000	D	4BU56 32-2ER10-2CA0	63.000	338.000			
100	D 4BU56 42-2ER10-2DA0	78.000	352.000	D	4BU56 42-2ER10-2CA0	78.000	352.000			
112	X 4BU58 32-2ER10-2DA0	56.000	420.000	X	4BU58 32-2ER10-2CA0	56.000	420.000			
125	X 4BU58 42-2ER10-2DA0	70.500	434.000	X	4BU58 42-2ER10-2CA0	70.500	434.000			
140	X 4BU58 52-2ER10-2DA0	90.000	454.000	X	4BU58 52-2ER10-2CA0	90.000	454.000			
160	X 4BU59 32-2ER10-2DA0	96.000	508.000	X	4BU59 32-2ER10-2CA0	96.000	508.000			
180	X 4BU60 32-2ER10-2DA0	98.000	571.000	X	4BU60 32-2ER10-2CA0	98.000	571.000			
Rated input voltage U_{1N} 3 AC 480 V $\pm 5\%$										
18	C 4BU43 32-5ER10-2DA0	21.000	101.000	C	4BU43 32-5ER10-2CA0	21.000	101.000			
20	C 4BU43 42-5ER10-2DA0	27.000	105.000	C	4BU43 42-5ER10-2CA0	27.000	105.000			
22.5	C 4BU43 52-5ER10-2DA0	36.000	115.000	C	4BU43 52-5ER10-2CA0	36.000	115.000			
25	D 4BU45 32-5ER10-2DA0	26.000	131.000	D	4BU45 32-5ER10-2CA0	26.000	131.000			
28	D 4BU45 42-5ER10-2DA0	34.000	139.000	D	4BU45 42-5ER10-2CA0	34.000	139.000			
31.5	D 4BU47 32-5ER10-2DA0	30.500	166.000	D	4BU47 32-5ER10-2CA0	30.500	166.000			
35.5	D 4BU47 42-5ER10-2DA0	40.000	174.000	D	4BU47 42-5ER10-2CA0	40.000	174.000			
40	D 4BU47 52-5ER10-2DA0	52.500	188.000	D	4BU47 52-5ER10-2CA0	52.500	188.000			
45	D 4BU52 32-5ER10-2DA0	49.000	185.000	D	4BU52 32-5ER10-2CA0	49.000	185.000			
50	D 4BU53 32-5ER10-2DA0	52.000	205.000	D	4BU53 32-5ER10-2CA0	52.000	205.000			
56	D 4BU53 42-5ER10-2DA0	67.000	219.000	D	4BU53 42-5ER10-2CA0	67.000	219.000			
63	D 4BU54 32-5ER10-2DA0	46.500	262.000	D	4BU54 32-5ER10-2CA0	46.500	262.000			
71	D 4BU54 42-5ER10-2DA0	60.500	276.000	D	4BU54 42-5ER10-2CA0	60.500	276.000			
80	D 4BU55 32-5ER10-2DA0	65.000	306.000	D	4BU55 32-5ER10-2CA0	65.000	306.000			
91	D 4BU56 32-5ER10-2DA0	68.000	343.000	D	4BU56 32-5ER10-2CA0	68.000	343.000			
100	D 4BU56 42-5ER10-2DA0	84.500	359.000	D	4BU56 42-5ER10-2CA0	84.500	359.000			
112	X 4BU58 32-5ER10-2DA0	60.500	425.000	X	4BU58 32-5ER10-2CA0	60.500	425.000			
125	X 4BU58 42-5ER10-2DA0	76.500	440.000	X	4BU58 42-5ER10-2CA0	76.500	440.000			
140	X 4BU58 52-5ER10-2DA0	97.500	462.000	X	4BU58 52-5ER10-2CA0	97.500	462.000			
160	X 4BU59 32-5ER10-2DA0	104.000	516.000	X	4BU59 32-5ER10-2CA0	104.000	516.000			
180	X 4BU60 32-5ER10-2DA0	106.000	579.000	X	4BU60 32-5ER10-2CA0	106.000	579.000			

More products with higher ratings and degrees of protection

IP20 and IP23 can be found in the interactive Catalog CA 01 and Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers

With one input voltage

Rated input voltage U_{1N} 3 AC 400 V, 400 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC Y 400 V,
 $t_a = 40^\circ C/H$

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 400 V										
18	C 4BU43 32-2AA20-2DA0	20.220	110.000	C	4BU43 32-2AA20-2CA0	19.500	99.000			
20	C 4BU43 42-2AA20-2DA0	26.500	103.000	C	4BU43 42-2AA20-2CA0	25.000	103.000			
22.5	C 4BU43 52-2AA20-2DA0	33.000	112.000	C	4BU43 52-2AA20-2CA0	33.000	112.000			
25	C 4BU45 32-2AA20-2DA0	24.000	129.000	C	4BU45 32-2AA20-2CA0	24.000	129.000			
28	C 4BU45 42-2AA20-2DA0	31.500	136.000	D	4BU45 42-2AA20-2CA0	31.500	136.000			
31.5	D 4BU47 32-2AA20-2DA0	28.000	163.000	D	4BU47 32-2AA20-2CA0	28.000	163.000			
35.5	D 4BU47 42-2AA20-2DA0	37.000	171.000	D	4BU47 42-2AA20-2CA0	37.000	171.000			
40	C 4BU47 52-2AA20-2DA0	48.500	184.000	C	4BU47 52-2AA20-2CA0	48.500	184.000			
45	D 4BU52 32-2AA20-2DA0	50.600	200.000	D	4BU52 32-2AA20-2CA0	45.000	181.000			
50	D 4BU53 32-2AA20-2DA0	48.000	201.000	D	4BU53 32-2AA20-2CA0	48.000	201.000			
56	D 4BU53 42-2AA20-2DA0	66.000	214.000	D	4BU53 42-2AA20-2CA0	62.000	214.000			
63	D 4BU54 32-2AA20-2DA0	43.000	258.000	D	4BU54 32-2AA20-2CA0	49.500	290.000			
71	D 4BU54 42-2AA20-2DA0	56.000	271.000	D	4BU54 42-2AA20-2CA0	56.000	271.000			
80	D 4BU55 32-2AA20-2DA0	60.000	310.000	D	4BU55 32-2AA20-2CA0	60.000	301.000			
91	D 4BU56 32-2AA20-2DA0	63.000	338.000	D	4BU56 32-2AA20-2CA0	63.000	338.000			
100	D 4BU56 42-2AA20-2DA0	78.000	352.000	D	4BU56 42-2AA20-2CA0	78.000	352.000			
112	X 4BU58 32-2AA20-2DA0	56.000	420.000	X	4BU58 32-2AA20-2CA0	56.000	420.000			
125	D 4BU58 42-2AA20-2DA0	70.500	440.000	X	4BU58 42-2AA20-2CA0	70.500	434.000			
140	X 4BU58 52-2AA20-2DA0	90.000	454.000	X	4BU58 52-2AA20-2CA0	90.000	454.000			
160	X 4BU59 32-2AA20-2DA0	96.000	508.000	X	4BU59 32-2AA20-2CA0	96.000	508.000			
180	X 4BU60 32-2AA20-2DA0	98.000	571.000	X	4BU60 32-2AA20-2CA0	98.000	571.000			
Rated input voltage U_{1N} 3 AC 400 V $\pm 5\%$										
18	C 4BU43 32-5AA20-2DA0	21.000	101.000	C	4BU43 32-5AA20-2CA0	21.000	101.000			
20	C 4BU43 42-5AA20-2DA0	28.000	105.000	C	4BU43 42-5AA20-2CA0	27.000	105.000			
22.5	C 4BU43 52-5AA20-2DA0	36.000	115.000	C	4BU43 52-5AA20-2CA0	36.000	115.000			
25	C 4BU45 32-5AA20-2DA0	29.100	131.000	D	4BU45 32-5AA20-2CA0	26.000	131.000			
28	C 4BU45 42-5AA20-2DA0	36.000	139.000	C	4BU45 42-5AA20-2CA0	34.000	139.000			
31.5	C 4BU47 32-5AA20-2DA0	32.500	166.000	D	4BU47 32-5AA20-2CA0	30.500	166.000			
35.5	C 4BU47 42-5AA20-2DA0	40.000	174.000	D	4BU47 42-5AA20-2CA0	40.000	174.000			
40	C 4BU47 52-5AA20-2DA0	54.000	188.000	C	4BU47 52-5AA20-2CA0	52.500	188.000			
45	D 4BU52 32-5AA20-2DA0	49.000	185.000	D	4BU52 32-5AA20-2CA0	49.000	185.000			
50	D 4BU53 32-5AA20-2DA0	52.000	205.000	D	4BU53 32-5AA20-2CA0	52.000	205.000			
56	D 4BU53 42-5AA20-2DA0	66.080	230.000	D	4BU53 42-5AA20-2CA0	67.000	219.000			
63	D 4BU54 32-5AA20-2DA0	46.500	262.000	D	4BU54 32-5AA20-2CA0	46.500	262.000			
71	D 4BU54 42-5AA20-2DA0	60.500	276.000	D	4BU54 42-5AA20-2CA0	60.500	276.000			
80	D 4BU55 32-5AA20-2DA0	65.000	306.000	D	4BU55 32-5AA20-2CA0	65.000	306.000			
91	D 4BU56 32-5AA20-2DA0	68.000	343.000	D	4BU56 32-5AA20-2CA0	68.000	343.000			
100	D 4BU56 42-5AA20-2DA0	84.500	359.000	D	4BU56 42-5AA20-2CA0	84.500	359.000			
112	X 4BU58 32-5AA20-2DA0	60.500	425.000	X	4BU58 32-5AA20-2CA0	60.500	425.000			
125	D 4BU58 42-5AA20-2DA0	76.500	440.000	X	4BU58 42-5AA20-2CA0	76.500	440.000			
140	X 4BU58 52-5AA20-2DA0	97.500	462.000	X	4BU58 52-5AA20-2CA0	97.500	462.000			
160	X 4BU59 32-5AA20-2DA0	104.000	516.000	D	4BU59 32-5AA20-2CA0	104.000	516.000			
180	X 4BU60 32-5AA20-2DA0	106.000	579.000	X	4BU60 32-5AA20-2CA0	106.000	579.000			

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

SIRIUS 4BU matching transformers

With one input voltage

**Rated input voltage U_{1N} 3 AC 440 V, 440 V ± 5 %,
rated output voltage U_{2N} 3 AC Y400 V,
 $t_a = 40^\circ\text{C}/\text{H}$**

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 440 V										
18	C 4BU43 32-2CA20-2DA0	19.500	99.000	C	4BU43 32-2CA20-2CA0	19.500	99.000			
20	C 4BU43 42-2CA20-2DA0	25.000	103.000	C	4BU43 42-2CA20-2CA0	25.000	103.000			
22.5	C 4BU43 52-2CA20-2DA0	33.000	112.000	C	4BU43 52-2CA20-2CA0	33.000	112.000			
25	D 4BU45 32-2CA20-2DA0	24.000	129.000	D	4BU45 32-2CA20-2CA0	24.000	129.000			
28	D 4BU45 42-2CA20-2DA0	31.500	136.000	D	4BU45 42-2CA20-2CA0	31.500	136.000			
31.5	D 4BU47 32-2CA20-2DA0	28.000	163.000	D	4BU47 32-2CA20-2CA0	28.000	163.000			
35.5	C 4BU47 42-2CA20-2DA0	37.000	171.000	D	4BU47 42-2CA20-2CA0	37.000	171.000			
40	D 4BU47 52-2CA20-2DA0	48.500	184.000	D	4BU47 52-2CA20-2CA0	48.500	184.000			
45	D 4BU52 32-2CA20-2DA0	45.000	181.000	D	4BU52 32-2CA20-2CA0	45.000	181.000			
50	D 4BU53 32-2CA20-2DA0	48.000	201.000	D	4BU53 32-2CA20-2CA0	48.000	201.000			
56	D 4BU53 42-2CA20-2DA0	62.000	214.000	D	4BU53 42-2CA20-2CA0	62.000	214.000			
63	D 4BU54 32-2CA20-2DA0	43.000	258.000	D	4BU54 32-2CA20-2CA0	43.000	258.000			
71	D 4BU54 42-2CA20-2DA0	56.000	271.000	D	4BU54 42-2CA20-2CA0	56.000	271.000			
80	D 4BU55 32-2CA20-2DA0	60.000	301.000	D	4BU55 32-2CA20-2CA0	60.000	301.000			
91	D 4BU56 32-2CA20-2DA0	63.000	338.000	D	4BU56 32-2CA20-2CA0	63.000	338.000			
100	D 4BU56 42-2CA20-2DA0	78.000	352.000	D	4BU56 42-2CA20-2CA0	78.000	352.000			
112	D 4BU58 32-2CA20-2DA0	56.000	420.000	X	4BU58 32-2CA20-2CA0	56.000	420.000			
125	X 4BU58 42-2CA20-2DA0	70.500	434.000	X	4BU58 42-2CA20-2CA0	70.500	434.000			
140	X 4BU58 52-2CA20-2DA0	90.000	454.000	X	4BU58 52-2CA20-2CA0	90.000	454.000			
160	X 4BU59 32-2CA20-2DA0	96.000	508.000	X	4BU59 32-2CA20-2CA0	96.000	508.000			
180	X 4BU60 32-2CA20-2DA0	98.000	571.000	X	4BU60 32-2CA20-2CA0	98.000	571.000			
Rated input voltage U_{1N} 3 AC 440 V ± 5 %										
18	C 4BU43 32-5CA20-2DA0	21.000	101.000	C	4BU43 32-5CA20-2CA0	21.000	101.000			
20	C 4BU43 42-5CA20-2DA0	27.000	105.000	C	4BU43 42-5CA20-2CA0	27.000	105.000			
22.5	C 4BU43 52-5CA20-2DA0	36.000	115.000	C	4BU43 52-5CA20-2CA0	36.000	115.000			
25	C 4BU45 32-5CA20-2DA0	26.000	131.000	D	4BU45 32-5CA20-2CA0	26.000	131.000			
28	D 4BU45 42-5CA20-2DA0	34.000	139.000	D	4BU45 42-5CA20-2CA0	34.000	139.000			
31.5	D 4BU47 32-5CA20-2DA0	30.500	166.000	D	4BU47 32-5CA20-2CA0	30.500	166.000			
35.5	D 4BU47 42-5CA20-2DA0	40.000	174.000	D	4BU47 42-5CA20-2CA0	40.000	174.000			
40	D 4BU47 52-5CA20-2DA0	52.500	188.000	D	4BU47 52-5CA20-2CA0	52.500	188.000			
45	D 4BU52 32-5CA20-2DA0	49.000	185.000	D	4BU52 32-5CA20-2CA0	49.000	185.000			
50	D 4BU53 32-5CA20-2DA0	52.000	205.000	D	4BU53 32-5CA20-2CA0	52.000	205.000			
56	D 4BU53 42-5CA20-2DA0	67.000	219.000	D	4BU53 42-5CA20-2CA0	67.000	219.000			
63	D 4BU54 32-5CA20-2DA0	46.500	262.000	D	4BU54 32-5CA20-2CA0	46.500	262.000			
71	D 4BU54 42-5CA20-2DA0	60.500	276.000	D	4BU54 42-5CA20-2CA0	60.500	276.000			
80	D 4BU55 32-5CA20-2DA0	65.000	306.000	D	4BU55 32-5CA20-2CA0	65.000	306.000			
91	D 4BU56 32-5CA20-2DA0	68.000	343.000	D	4BU56 32-5CA20-2CA0	68.000	343.000			
100	D 4BU56 42-5CA20-2DA0	84.500	359.000	D	4BU56 42-5CA20-2CA0	84.500	359.000			
112	X 4BU58 32-5CA20-2DA0	60.500	425.000	X	4BU58 32-5CA20-2CA0	60.500	425.000			
125	X 4BU58 42-5CA20-2DA0	76.500	440.000	X	4BU58 42-5CA20-2CA0	76.500	440.000			
140	X 4BU58 52-5CA20-2DA0	97.500	462.000	X	4BU58 52-5CA20-2CA0	97.500	462.000			
160	X 4BU59 32-5CA20-2DA0	104.000	516.000	X	4BU59 32-5CA20-2CA0	104.000	516.000			
180	X 4BU60 32-5CA20-2DA0	106.000	579.000	X	4BU60 32-5CA20-2CA0	106.000	579.000			

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers

With one input voltage

Rated input voltage U_{1N} 3 AC 480 V, 480 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC Y400 V,
 $t_a = 40^\circ\text{C}/\text{H}$

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 480 V										
18	C 4BU43 32-2EA20-2DA0	19.500	110.000	C	4BU43 32-2EA20-2CA0	19.500	99.000			
20	C 4BU43 42-2EA20-2DA0	25.000	103.000	C	4BU43 42-2EA20-2CA0	25.000	103.000			
22.5	C 4BU43 52-2EA20-2DA0	35.000	112.000	C	4BU43 52-2EA20-2CA0	33.000	112.000			
25	D 4BU45 32-2EA20-2DA0	24.000	129.000	D	4BU45 32-2EA20-2CA0	24.000	129.000			
28	D 4BU45 42-2EA20-2DA0	31.500	136.000	D	4BU45 42-2EA20-2CA0	31.500	136.000			
31.5	D 4BU47 32-2EA20-2DA0	28.000	163.000	D	4BU47 32-2EA20-2CA0	28.000	163.000			
35.5	D 4BU47 42-2EA20-2DA0	37.000	171.000	D	4BU47 42-2EA20-2CA0	37.000	171.000			
40	D 4BU47 52-2EA20-2DA0	48.500	184.000	D	4BU47 52-2EA20-2CA0	48.500	184.000			
45	D 4BU52 32-2EA20-2DA0	45.000	181.000	D	4BU52 32-2EA20-2CA0	45.000	181.000			
50	D 4BU53 32-2EA20-2DA0	48.000	201.000	D	4BU53 32-2EA20-2CA0	48.000	201.000			
56	D 4BU53 42-2EA20-2DA0	62.000	214.000	D	4BU53 42-2EA20-2CA0	62.000	214.000			
63	D 4BU54 32-2EA20-2DA0	50.700	258.000	D	4BU54 32-2EA20-2CA0	43.000	258.000			
71	D 4BU54 42-2EA20-2DA0	56.000	271.000	D	4BU54 42-2EA20-2CA0	56.000	271.000			
80	D 4BU55 32-2EA20-2DA0	60.000	301.000	D	4BU55 32-2EA20-2CA0	60.000	301.000			
91	D 4BU56 32-2EA20-2DA0	63.000	338.000	D	4BU56 32-2EA20-2CA0	63.000	338.000			
100	D 4BU56 42-2EA20-2DA0	78.000	352.000	D	4BU56 42-2EA20-2CA0	78.000	352.000			
112	D 4BU58 32-2EA20-2DA0	62.000	420.000	X	4BU58 32-2EA20-2CA0	56.000	420.000			
125	X 4BU58 42-2EA20-2DA0	70.500	434.000	X	4BU58 42-2EA20-2CA0	70.500	434.000			
140	X 4BU58 52-2EA20-2DA0	90.000	454.000	X	4BU58 52-2EA20-2CA0	90.000	454.000			
160	X 4BU59 32-2EA20-2DA0	96.000	508.000	X	4BU59 32-2EA20-2CA0	96.000	508.000			
180	X 4BU60 32-2EA20-2DA0	98.000	571.000	X	4BU60 32-2EA20-2CA0	98.000	571.000			
Rated input voltage U_{1N} 3 AC 480 V $\pm 5\%$										
18	C 4BU43 32-5EA20-2DA0	21.700	101.000	C	4BU43 32-5EA20-2CA0	21.000	101.000			
20	C 4BU43 42-5EA20-2DA0	27.000	105.000	C	4BU43 42-5EA20-2CA0	27.000	105.000			
22.5	C 4BU43 52-5EA20-2DA0	37.000	115.000	C	4BU43 52-5EA20-2CA0	36.000	115.000			
25	C 4BU45 32-5EA20-2DA0	26.000	131.000	D	4BU45 32-5EA20-2CA0	26.000	131.000			
28	D 4BU45 42-5EA20-2DA0	34.000	139.000	D	4BU45 42-5EA20-2CA0	34.000	139.000			
31.5	D 4BU47 32-5EA20-2DA0	30.500	166.000	D	4BU47 32-5EA20-2CA0	30.500	166.000			
35.5	D 4BU47 42-5EA20-2DA0	40.000	174.000	D	4BU47 42-5EA20-2CA0	40.000	174.000			
40	C 4BU47 52-5EA20-2DA0	52.500	188.000	D	4BU47 52-5EA20-2CA0	52.500	188.000			
45	D 4BU52 32-5EA20-2DA0	49.000	185.000	D	4BU52 32-5EA20-2CA0	49.000	185.000			
50	D 4BU53 32-5EA20-2DA0	52.000	205.000	D	4BU53 32-5EA20-2CA0	52.000	205.000			
56	D 4BU53 42-5EA20-2DA0	67.000	219.000	D	4BU53 42-5EA20-2CA0	67.000	219.000			
63	D 4BU54 32-5EA20-2DA0	46.500	262.000	D	4BU54 32-5EA20-2CA0	46.500	262.000			
71	D 4BU54 42-5EA20-2DA0	60.500	276.000	D	4BU54 42-5EA20-2CA0	60.500	276.000			
80	D 4BU55 32-5EA20-2DA0	65.000	306.000	D	4BU55 32-5EA20-2CA0	65.000	306.000			
91	D 4BU56 32-5EA20-2DA0	68.000	343.000	D	4BU56 32-5EA20-2CA0	68.000	343.000			
100	D 4BU56 42-5EA20-2DA0	84.500	359.000	D	4BU56 42-5EA20-2CA0	84.500	359.000			
112	X 4BU58 32-5EA20-2DA0	60.500	425.000	X	4BU58 32-5EA20-2CA0	60.500	425.000			
125	X 4BU58 42-5EA20-2DA0	76.500	440.000	X	4BU58 42-5EA20-2CA0	76.500	440.000			
140	X 4BU58 52-5EA20-2DA0	97.500	462.000	X	4BU58 52-5EA20-2CA0	97.500	462.000			
160	X 4BU59 32-5EA20-2DA0	104.000	516.000	X	4BU59 32-5EA20-2CA0	104.000	516.000			
180	X 4BU60 32-5EA20-2DA0	106.000	579.000	X	4BU60 32-5EA20-2CA0	98.000	571.000			

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

SIRIUS 4BU matching transformers

With one input voltage

Rated input voltage

U_{1N} 3 AC 400 V, 400 V $\pm 5\%$, 440 V, 440 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC 208 V,
 $t_a = 55^\circ\text{C}/\text{H}$

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx.	Total weight per PU approx.
	Order No.	Price per PU	kVA			Order No.	Price per PU	kg	kg	
Rated input voltage U_{1N} 3 AC 400 V										
18	C 4BU43 32-2AR13-2DA0	21.500	101.000	C	4BU43 32-2AR13-2CA0	21.500	101.000			
20	C 4BU43 42-2AR13-2DA0	27.500	106.000	C	4BU43 42-2AR13-2CA0	27.500	106.000			
22.5	C 4BU43 52-2AR13-2DA0	37.000	116.000	C	4BU43 52-2AR13-2CA0	39.500	116.000			
25	D 4BU45 32-2AR13-2DA0	27.000	132.000	D	4BU45 32-2AR13-2CA0	27.000	132.000			
28	D 4BU45 42-2AR13-2DA0	31.500	140.000	D	4BU45 42-2AR13-2CA0	31.500	140.000			
31.5	D 4BU47 32-2AR13-2DA0	31.500	167.000	D	4BU47 32-2AR13-2CA0	31.500	167.000			
35.5	D 4BU47 42-2AR13-2DA0	41.000	175.000	D	4BU47 42-2AR13-2CA0	41.000	175.000			
40	D 4BU47 52-2AR13-2DA0	55.000	190.000	D	4BU47 52-2AR13-2CA0	55.000	190.000			
45	D 4BU52 32-2AR13-2DA0	50.500	187.000	D	4BU52 32-2AR13-2CA0	50.500	187.000			
50	D 4BU53 32-2AR13-2DA0	53.500	207.000	D	4BU53 32-2AR13-2CA0	53.500	207.000			
56	D 4BU53 42-2AR13-2DA0	70.000	222.000	D	4BU53 42-2AR13-2CA0	70.000	222.000			
63	D 4BU54 32-2AR13-2DA0	48.000	263.000	D	4BU54 32-2AR13-2CA0	48.000	263.000			
71	D 4BU54 42-2AR13-2DA0	62.000	277.000	D	4BU54 42-2AR13-2CA0	62.000	277.000			
Rated input voltage U_{1N} 3 AC 400 V $\pm 5\%$										
18	C 4BU43 32-5AR13-2DA0	23.500	103.000	C	4BU43 32-5AR13-2CA0	23.500	103.000			
20	C 4BU43 42-5AR13-2DA0	30.000	109.000	C	4BU43 42-5AR13-2CA0	30.000	109.000			
22.5	C 4BU43 52-5AR13-2DA0	40.000	119.000	C	4BU43 52-5AR13-2CA0	40.000	119.000			
25	D 4BU45 32-5AR13-2DA0	29.500	135.000	D	4BU45 32-5AR13-2CA0	29.500	135.000			
28	D 4BU45 42-5AR13-2DA0	38.000	143.000	D	4BU45 42-5AR13-2CA0	38.000	143.000			
31.5	D 4BU47 32-5AR13-2DA0	34.000	170.000	D	4BU47 32-5AR13-2CA0	34.000	170.000			
35.5	D 4BU47 42-5AR13-2DA0	44.500	179.000	D	4BU47 42-5AR13-2CA0	44.500	179.000			
40	D 4BU47 52-5AR13-2DA0	59.500	195.000	D	4BU47 52-5AR13-2CA0	59.500	195.000			
45	D 4BU52 32-5AR13-2DA0	54.500	191.000	D	4BU52 32-5AR13-2CA0	54.500	191.000			
50	D 4BU53 32-5AR13-2DA0	58.000	212.000	D	4BU53 32-5AR13-2CA0	58.000	212.000			
56	D 4BU53 42-5AR13-2DA0	76.000	228.000	D	4BU53 42-5AR13-2CA0	76.000	228.000			
63	D 4BU54 32-5AR13-2DA0	52.000	267.000	D	4BU54 32-5AR13-2CA0	52.000	267.000			
71	D 4BU54 42-5AR13-2DA0	67.000	282.000	D	4BU54 42-5AR13-2CA0	67.000	282.000			
Rated input voltage U_{1N} 3 AC 440 V $\pm 5\%$										
18	C 4BU43 32-2CR13-2DA0	21.500	101.000	C	4BU43 32-2CR13-2CA0	21.500	101.000			
20	C 4BU43 42-2CR13-2DA0	27.500	106.000	C	4BU43 42-2CR13-2CA0	27.500	106.000			
22.5	C 4BU43 52-2CR13-2DA0	37.000	116.000	C	4BU43 52-2CR13-2CA0	37.000	116.000			
25	D 4BU45 32-2CR13-2DA0	27.000	132.000	D	4BU45 32-2CR13-2CA0	27.000	132.000			
28	D 4BU45 42-2CR13-2DA0	31.500	140.000	D	4BU45 42-2CR13-2CA0	31.500	140.000			
31.5	D 4BU47 32-2CR13-2DA0	31.500	167.000	D	4BU47 32-2CR13-2CA0	31.500	167.000			
35.5	D 4BU47 42-2CR13-2DA0	41.000	175.000	D	4BU47 42-2CR13-2CA0	41.000	175.000			
40	D 4BU47 52-2CR13-2DA0	55.000	190.000	D	4BU47 52-2CR13-2CA0	55.000	190.000			
45	D 4BU52 32-2CR13-2DA0	50.500	187.000	D	4BU52 32-2CR13-2CA0	50.500	187.000			
50	D 4BU53 32-2CR13-2DA0	53.500	207.000	D	4BU53 32-2CR13-2CA0	53.500	207.000			
56	D 4BU53 42-2CR13-2DA0	70.000	222.000	D	4BU53 42-2CR13-2CA0	70.000	222.000			
63	D 4BU54 32-2CR13-2DA0	48.000	263.000	D	4BU54 32-2CR13-2CA0	48.000	263.000			
71	D 4BU54 42-2CR13-2DA0	62.000	277.000	D	4BU54 42-2CR13-2CA0	62.000	277.000			
Rated input voltage $U_{1N} \pm 5\%$										
18	C 4BU43 32-5CR13-2DA0	23.500	103.000	C	4BU43 32-5CR13-2CA0	23.500	103.000			
20	C 4BU43 42-5CR13-2DA0	30.000	109.000	C	4BU43 42-5CR13-2CA0	30.000	109.000			
22.5	C 4BU43 52-5CR13-2DA0	40.000	119.000	C	4BU43 52-5CR13-2CA0	40.000	119.000			
25	D 4BU45 32-5CR13-2DA0	29.500	135.000	D	4BU45 32-5CR13-2CA0	29.500	135.000			
28	D 4BU45 42-5CR13-2DA0	38.000	143.000	D	4BU45 42-5CR13-2CA0	38.000	143.000			
31.5	D 4BU47 32-5CR13-2DA0	34.000	170.000	D	4BU47 32-5CR13-2CA0	34.000	170.000			
35.5	D 4BU47 42-5CR13-2DA0	44.500	179.000	D	4BU47 42-5CR13-2CA0	44.500	179.000			
40	D 4BU47 52-5CR13-2DA0	59.500	195.000	D	4BU47 52-5CR13-2CA0	59.500	195.000			
45	D 4BU52 32-5CR13-2DA0	54.500	191.000	D	4BU52 32-5CR13-2CA0	54.500	191.000			
50	D 4BU53 32-5CR13-2DA0	58.000	212.000	D	4BU53 32-5CR13-2CA0	58.000	212.000			
56	D 4BU53 42-5CR13-2DA0	76.000	228.000	D	4BU53 42-5CR13-2CA0	76.000	228.000			
63	D 4BU54 32-5CR13-2DA0	52.000	267.000	D	4BU54 32-5CR13-2CA0	52.000	267.000			
71	D 4BU54 42-5CR13-2DA0	67.000	282.000	D	4BU54 42-5CR13-2CA0	67.000	282.000			

More products with higher ratings and degrees of protection IP20 and IP23 can be found in the interactive Catalog CA 01 and Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers

With one input voltage

Rated input voltage U_{1N} 3 AC 480 V, 3 AC 480 V $\pm 5\%$,
 rated output voltage U_{2N} 3 AC Δ 208 V,
 $t_a = 55^\circ\text{C}/\text{H}$

PU (UNIT, SET, M) = 1
 PS* = 1 unit
 PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 480 V										
18	C 4BU43 32-2ER13-2DA0	21.500	101.000	C	4BU43 32-2ER13-2CA0	21.500	101.000			
20	C 4BU43 42-2ER13-2DA0	27.500	106.000	C	4BU43 42-2ER13-2CA0	27.500	106.000			
22.5	C 4BU43 52-2ER13-2DA0	37.000	116.000	C	4BU43 52-2ER13-2CA0	37.000	116.000			
25	D 4BU45 32-2ER13-2DA0	27.000	132.000	D	4BU45 32-2ER13-2CA0	27.000	132.000			
28	D 4BU45 42-2ER13-2DA0	31.500	140.000	D	4BU45 42-2ER13-2CA0	31.500	140.000			
31.5	D 4BU47 32-2ER13-2DA0	31.500	167.000	D	4BU47 32-2ER13-2CA0	31.500	167.000			
35.5	D 4BU47 42-2ER13-2DA0	41.000	175.000	D	4BU47 42-2ER13-2CA0	41.000	175.000			
40	D 4BU47 52-2ER13-2DA0	55.000	190.000	D	4BU47 52-2ER13-2CA0	55.000	190.000			
45	D 4BU52 32-2ER13-2DA0	50.500	187.000	D	4BU52 32-2ER13-2CA0	50.500	187.000			
50	D 4BU53 32-2ER13-2DA0	53.500	207.000	D	4BU53 32-2ER13-2CA0	53.500	207.000			
56	D 4BU53 42-2ER13-2DA0	70.000	222.000	D	4BU53 42-2ER13-2CA0	70.000	222.000			
63	D 4BU54 32-2ER13-2DA0	48.000	263.000	D	4BU54 32-2ER13-2CA0	48.000	263.000			
71	D 4BU54 42-2ER13-2DA0	62.000	277.000	D	4BU54 42-2ER13-2CA0	62.000	277.000			
Rated input voltage U_{1N} 3 AC 480 V $\pm 5\%$										
18	C 4BU43 32-5ER13-2DA0	23.500	103.000	C	4BU43 32-5ER13-2CA0	23.500	103.000			
20	C 4BU43 42-5ER13-2DA0	30.000	109.000	C	4BU43 42-5ER13-2CA0	30.000	109.000			
22.5	C 4BU43 52-5ER13-2DA0	40.000	119.000	C	4BU43 52-5ER13-2CA0	40.000	119.000			
25	D 4BU45 32-5ER13-2DA0	29.500	135.000	D	4BU45 32-5ER13-2CA0	29.500	135.000			
28	D 4BU45 42-5ER13-2DA0	38.000	143.000	D	4BU45 42-5ER13-2CA0	38.000	143.000			
31.5	D 4BU47 32-5ER13-2DA0	34.000	170.000	D	4BU47 32-5ER13-2CA0	34.000	170.000			
35.5	D 4BU47 42-5ER13-2DA0	44.500	179.000	D	4BU47 42-5ER13-2CA0	44.500	179.000			
40	D 4BU47 52-5ER13-2DA0	59.500	195.000	D	4BU47 52-5ER13-2CA0	59.500	195.000			
45	D 4BU52 32-5ER13-2DA0	54.500	191.000	D	4BU52 32-5ER13-2CA0	54.500	191.000			
50	D 4BU53 32-5ER13-2DA0	58.000	212.000	D	4BU53 32-5ER13-2CA0	58.000	212.000			
56	D 4BU53 42-5ER13-2DA0	76.000	228.000	D	4BU53 42-5ER13-2CA0	76.000	228.000			
63	D 4BU54 32-5ER13-2DA0	52.000	267.000	D	4BU54 32-5ER13-2CA0	52.000	267.000			
71	D 4BU54 42-5ER13-2DA0	67.000	282.000	D	4BU54 42-5ER13-2CA0	67.000	282.000			

More products with higher ratings and degrees of protection IP20 and IP23 can be found in the interactive Catalog CA 01 and Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

SIRIUS 4BU matching transformers

With one input voltage

Rated input voltage

U_{1N} 3 AC 400 V, 400 V $\pm 5\%$, 440 V, 440 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC ∇ 400 V,
 $t_a = 55^\circ\text{C}/\text{H}$

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	DT ¹⁾ Vector group Dyn5 Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾ Vector group Yyn0 Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
			kg	kg			kg	kg
Rated input voltage U_{1N} 3 AC 400 V								
18	D 4BU43 32-2AA23-2DA0	21.500	101.000	C 4BU43 32-2AA23-2CA0	23.000	110.000		
20	C 4BU43 42-2AA23-2DA0	27.500	106.000	C 4BU43 42-2AA23-2CA0	27.500	106.000		
22.5	C 4BU43 52-2AA23-2DA0	37.000	116.000	C 4BU43 52-2AA23-2CA0	37.000	116.000		
25	C 4BU45 32-2AA23-2DA0	28.800	140.000	D 4BU45 32-2AA23-2CA0	27.000	132.000		
28	C 4BU45 42-2AA23-2DA0	37.600	140.000	D 4BU45 42-2AA23-2CA0	31.500	140.000		
31.5	D 4BU47 32-2AA23-2DA0	31.500	167.000	D 4BU47 32-2AA23-2CA0	31.500	167.000		
35.5	C 4BU47 42-2AA23-2DA0	41.000	175.000	D 4BU47 42-2AA23-2CA0	41.000	175.000		
40	C 4BU47 52-2AA23-2DA0	55.000	190.000	D 4BU47 52-2AA23-2CA0	55.000	190.000		
45	D 4BU52 32-2AA23-2DA0	50.500	187.000	D 4BU52 32-2AA23-2CA0	50.500	187.000		
50	D 4BU53 32-2AA23-2DA0	53.500	207.000	D 4BU53 32-2AA23-2CA0	53.500	207.000		
56	D 4BU53 42-2AA23-2DA0	70.000	222.000	D 4BU53 42-2AA23-2CA0	70.000	222.000		
63	D 4BU54 32-2AA23-2DA0	53.000	290.000	D 4BU54 32-2AA23-2CA0	48.000	263.000		
71	D 4BU54 42-2AA23-2DA0	62.000	277.000	D 4BU54 42-2AA23-2CA0	62.000	277.000		
Rated input voltage U_{1N} 3 AC 400 V $\pm 5\%$								
18	C 4BU43 32-5AA23-2DA0	23.500	103.000	C 4BU43 32-5AA23-2CA0	23.500	103.000		
20	C 4BU43 42-5AA23-2DA0	30.000	109.000	C 4BU43 42-5AA23-2CA0	30.000	109.000		
22.5	C 4BU43 52-5AA23-2DA0	40.000	119.000	C 4BU43 52-5AA23-2CA0	40.000	119.000		
25	D 4BU45 32-5AA23-2DA0	29.500	135.000	D 4BU45 32-5AA23-2CA0	29.500	135.000		
28	C 4BU45 42-5AA23-2DA0	38.000	143.000	D 4BU45 42-5AA23-2CA0	38.000	143.000		
31.5	D 4BU47 32-5AA23-2DA0	34.000	170.000	D 4BU47 32-5AA23-2CA0	34.000	170.000		
35.5	D 4BU47 42-5AA23-2DA0	44.500	179.000	D 4BU47 42-5AA23-2CA0	44.500	179.000		
40	D 4BU47 52-5AA23-2DA0	59.500	195.000	D 4BU47 52-5AA23-2CA0	59.500	195.000		
45	D 4BU52 32-5AA23-2DA0	54.500	191.000	D 4BU52 32-5AA23-2CA0	54.500	191.000		
50	D 4BU53 32-5AA23-2DA0	58.000	212.000	D 4BU53 32-5AA23-2CA0	58.000	212.000		
56	D 4BU53 42-5AA23-2DA0	76.000	228.000	D 4BU53 42-5AA23-2CA0	76.000	228.000		
63	D 4BU54 32-5AA23-2DA0	52.000	267.000	D 4BU54 32-5AA23-2CA0	52.000	267.000		
71	D 4BU54 42-5AA23-2DA0	67.000	282.000	D 4BU54 42-5AA23-2CA0	67.000	282.000		
Rated input voltage U_{1N} 3 AC 440 V								
18	C 4BU43 32-2CA23-2DA0	21.500	101.000	C 4BU43 32-2CA23-2CA0	21.500	101.000		
20	C 4BU43 42-2CA23-2DA0	27.500	106.000	C 4BU43 42-2CA23-2CA0	27.500	106.000		
22.5	C 4BU43 52-2CA23-2DA0	37.000	116.000	C 4BU43 52-2CA23-2CA0	37.000	116.000		
25	D 4BU45 32-2CA23-2DA0	27.000	132.000	D 4BU45 32-2CA23-2CA0	27.000	132.000		
28	D 4BU45 42-2CA23-2DA0	31.500	140.000	D 4BU45 42-2CA23-2CA0	31.500	140.000		
31.5	D 4BU47 32-2CA23-2DA0	31.500	167.000	D 4BU47 32-2CA23-2CA0	31.500	167.000		
35.5	D 4BU47 42-2CA23-2DA0	41.000	175.000	D 4BU47 42-2CA23-2CA0	41.000	175.000		
40	D 4BU47 52-2CA23-2DA0	55.000	190.000	D 4BU47 52-2CA23-2CA0	55.000	190.000		
45	D 4BU52 32-2CA23-2DA0	50.500	187.000	D 4BU52 32-2CA23-2CA0	50.500	187.000		
50	D 4BU53 32-2CA23-2DA0	53.500	207.000	D 4BU53 32-2CA23-2CA0	53.500	207.000		
56	D 4BU53 42-2CA23-2DA0	70.000	222.000	D 4BU53 42-2CA23-2CA0	70.000	222.000		
63	D 4BU54 32-2CA23-2DA0	48.000	263.000	D 4BU54 32-2CA23-2CA0	48.000	263.000		
71	D 4BU54 42-2CA23-2DA0	62.000	277.000	D 4BU54 42-2CA23-2CA0	62.000	277.000		
Rated input voltage U_{1N} 3 AC 440 V $\pm 5\%$								
18	C 4BU43 32-5CA23-2DA0	23.500	103.000	C 4BU43 32-5CA23-2CA0	23.500	103.000		
20	D 4BU43 42-5CA23-2DA0	30.000	109.000	C 4BU43 42-5CA23-2CA0	30.000	109.000		
22.5	C 4BU43 52-5CA23-2DA0	40.000	119.000	C 4BU43 52-5CA23-2CA0	40.000	119.000		
25	D 4BU45 32-5CA23-2DA0	29.500	135.000	D 4BU45 32-5CA23-2CA0	29.500	135.000		
28	D 4BU45 42-5CA23-2DA0	38.000	143.000	D 4BU45 42-5CA23-2CA0	38.000	143.000		
31.5	D 4BU47 32-5CA23-2DA0	34.000	170.000	D 4BU47 32-5CA23-2CA0	34.000	170.000		
35.5	D 4BU47 42-5CA23-2DA0	44.500	179.000	D 4BU47 42-5CA23-2CA0	44.500	179.000		
40	D 4BU47 52-5CA23-2DA0	59.500	195.000	D 4BU47 52-5CA23-2CA0	59.500	195.000		
45	D 4BU52 32-5CA23-2DA0	54.500	191.000	D 4BU52 32-5CA23-2CA0	54.500	191.000		
50	D 4BU53 32-5CA23-2DA0	58.000	212.000	D 4BU53 32-5CA23-2CA0	58.000	212.000		
56	D 4BU53 42-5CA23-2DA0	76.000	228.000	D 4BU53 42-5CA23-2CA0	76.000	228.000		
63	D 4BU54 32-5CA23-2DA0	52.000	267.000	D 4BU54 32-5CA23-2CA0	52.000	267.000		
71	D 4BU54 42-5CA23-2DA0	67.000	282.000	D 4BU54 42-5CA23-2CA0	67.000	282.000		

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers

With one input voltage

Rated input voltage U_{1N} 3 AC 480 V, 480 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC Y400 V,
 $t_a = 55^\circ\text{C}/\text{H}$

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 480 V										
18	C 4BU43 32-2EA23-2DA0	21.500	101.000	C	4BU43 32-2EA23-2CA0	21.500	101.000			
20	C 4BU43 42-2EA23-2DA0	27.500	106.000	C	4BU43 42-2EA23-2CA0	27.500	106.000			
22.5	C 4BU43 52-2EA23-2DA0	37.000	116.000	C	4BU43 52-2EA23-2CA0	37.000	116.000			
25	D 4BU45 32-2EA23-2DA0	27.000	132.000	D	4BU45 32-2EA23-2CA0	27.000	132.000			
28	D 4BU45 42-2EA23-2DA0	31.500	140.000	D	4BU45 42-2EA23-2CA0	31.500	140.000			
31.5	D 4BU47 32-2EA23-2DA0	31.500	167.000	D	4BU47 32-2EA23-2CA0	31.500	167.000			
35.5	D 4BU47 42-2EA23-2DA0	41.000	175.000	D	4BU47 42-2EA23-2CA0	41.000	175.000			
40	D 4BU47 52-2EA23-2DA0	55.000	190.000	D	4BU47 52-2EA23-2CA0	55.000	190.000			
45	D 4BU52 32-2EA23-2DA0	50.500	187.000	D	4BU52 32-2EA23-2CA0	50.500	187.000			
50	D 4BU53 32-2EA23-2DA0	53.500	207.000	D	4BU53 32-2EA23-2CA0	53.500	207.000			
56	D 4BU53 42-2EA23-2DA0	75.000	222.000	D	4BU53 42-2EA23-2CA0	70.000	222.000			
63	D 4BU54 32-2EA23-2DA0	48.000	263.000	D	4BU54 32-2EA23-2CA0	48.000	263.000			
71	D 4BU54 42-2EA23-2DA0	62.000	277.000	D	4BU54 42-2EA23-2CA0	62.000	277.000			
Rated input voltage U_{1N} 3 AC 480 V $\pm 5\%$										
18	C 4BU43 32-5EA23-2DA0	23.500	103.000	C	4BU43 32-5EA23-2CA0	23.500	103.000			
20	C 4BU43 42-5EA23-2DA0	30.000	109.000	C	4BU43 42-5EA23-2CA0	30.000	109.000			
22.5	C 4BU43 52-5EA23-2DA0	40.000	119.000	C	4BU43 52-5EA23-2CA0	40.000	119.000			
25	D 4BU45 32-5EA23-2DA0	29.500	135.000	D	4BU45 32-5EA23-2CA0	29.500	135.000			
28	D 4BU45 42-5EA23-2DA0	38.000	143.000	D	4BU45 42-5EA23-2CA0	38.000	143.000			
31.5	D 4BU47 32-5EA23-2DA0	34.000	170.000	D	4BU47 32-5EA23-2CA0	34.000	170.000			
35.5	D 4BU47 42-5EA23-2DA0	44.500	179.000	D	4BU47 42-5EA23-2CA0	44.500	179.000			
40	D 4BU47 52-5EA23-2DA0	59.500	195.000	D	4BU47 52-5EA23-2CA0	59.500	195.000			
45	D 4BU52 32-5EA23-2DA0	54.500	191.000	D	4BU52 32-5EA23-2CA0	54.500	191.000			
50	D 4BU53 32-5EA23-2DA0	58.000	212.000	D	4BU53 32-5EA23-2CA0	58.000	212.000			
56	D 4BU53 42-5EA23-2DA0	76.000	228.000	D	4BU53 42-5EA23-2CA0	76.000	228.000			
63	D 4BU54 32-5EA23-2DA0	52.000	267.000	D	4BU54 32-5EA23-2CA0	52.000	267.000			
71	D 4BU54 42-5EA23-2DA0	67.000	282.000	D	4BU54 42-5EA23-2CA0	67.000	282.000			

More products with higher ratings and degrees of protection IP20 and IP23 can be found in the interactive Catalog CA 01 and Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

**SIRIUS 4BU matching transformers
with cURus approval**

Overview

- DIN VDE 0532-6
- AC 50/60 Hz
- Δ or γ (see Selection and ordering data)
- **cURus**
- $t_a = 40^\circ\text{C}/\text{H}$ or $t_a = 55^\circ\text{C}/\text{H}$
(see Selection and ordering data)
- Degree of protection IP00



4BU

Selection and ordering data

With one input voltage

**Rated input voltage U_{1N} 3 AC 400 V, 400 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC γ 208 V,
 $t_a = 40^\circ\text{C}/\text{H}$**

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

cURus

Rated power P_n	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾ Vector group Yyn0	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
	kVA	Order No.	Price per PU							
Rated input voltage U_{1N} 3 AC 400 V										
18	C	4BU43 33-2AR10-2DA0	21.500	100.000	C	4BU43 33-2AR10-2CA0	21.500	100.000		
20	C	4BU43 43-2AR10-2DA0	27.500	106.000	C	4BU43 43-2AR10-2CA0	27.500	106.000		
22.5	C	4BU43 53-2AR10-2DA0	37.000	115.000	C	4BU43 53-2AR10-2CA0	37.000	115.000		
25	D	4BU45 33-2AR10-2DA0	27.000	132.000	D	4BU45 33-2AR10-2CA0	27.000	132.000		
28	D	4BU45 43-2AR10-2DA0	35.000	140.000	D	4BU45 43-2AR10-2CA0	35.000	140.000		
31.5	D	4BU47 33-2AR10-2DA0	31.500	166.000	D	4BU47 33-2AR10-2CA0	31.500	166.000		
35.5	D	4BU47 43-2AR10-2DA0	41.000	175.000	D	4BU47 43-2AR10-2CA0	41.000	175.000		
40	D	4BU47 53-2AR10-2DA0	55.000	189.000	D	4BU47 53-2AR10-2CA0	55.000	189.000		
45	D	4BU52 33-2AR10-2DA0	50.500	187.000	D	4BU52 33-2AR10-2CA0	50.500	187.000		
50	D	4BU53 33-2AR10-2DA0	53.500	207.000	D	4BU53 33-2AR10-2CA0	53.500	207.000		
56	D	4BU53 43-2AR10-2DA0	69.500	223.000	D	4BU53 43-2AR10-2CA0	69.500	223.000		
63	D	4BU54 33-2AR10-2DA0	48.000	263.000	D	4BU54 33-2AR10-2CA0	48.000	263.000		
71	D	4BU54 43-2AR10-2DA0	69.800	277.000	D	4BU54 43-2AR10-2CA0	62.000	277.000		
80	D	4BU55 33-2AR10-2DA0	66.500	308.000	D	4BU55 33-2AR10-2CA0	66.500	308.000		
91	D	4BU56 33-2AR10-2DA0	70.500	347.000	D	4BU56 33-2AR10-2CA0	70.500	347.000		
100	D	4BU56 43-2AR10-2DA0	87.000	363.000	D	4BU56 43-2AR10-2CA0	87.000	363.000		
112	X	4BU58 33-2AR10-2DA0	61.500	425.000	X	4BU58 33-2AR10-2CA0	61.500	425.000		
125	X	4BU58 43-2AR10-2DA0	77.500	442.000	X	4BU58 43-2AR10-2CA0	77.500	442.000		
140	X	4BU58 53-2AR10-2DA0	99.000	462.000	X	4BU58 53-2AR10-2CA0	99.000	462.000		
160	X	4BU59 33-2AR10-2DA0	106.000	518.000	X	4BU59 33-2AR10-2CA0	106.000	518.000		
180	X	4BU60 33-2AR10-2DA0	108.000	581.000	X	4BU60 33-2AR10-2CA0	108.000	581.000		
Rated input voltage U_{1N} 3 AC 400 V $\pm 5\%$										
18	C	4BU43 33-5AR10-2DA0	23.500	102.000	C	4BU43 33-5AR10-2CA0	23.500	102.000		
20	C	4BU43 43-5AR10-2DA0	30.000	109.000	C	4BU43 43-5AR10-2CA0	30.000	109.000		
22.5	C	4BU43 53-5AR10-2DA0	40.000	118.000	C	4BU43 53-5AR10-2CA0	40.000	118.000		
25	D	4BU45 33-5AR10-2DA0	29.500	135.000	D	4BU45 33-5AR10-2CA0	29.500	135.000		
28	D	4BU45 43-5AR10-2DA0	38.000	143.000	D	4BU45 43-5AR10-2CA0	38.000	143.000		
31.5	D	4BU47 33-5AR10-2DA0	34.000	169.000	D	4BU47 33-5AR10-2CA0	34.000	169.000		
35.5	D	4BU47 43-5AR10-2DA0	44.500	179.000	D	4BU47 43-5AR10-2CA0	44.500	179.000		
40	D	4BU47 53-5AR10-2DA0	59.500	194.000	D	4BU47 53-5AR10-2CA0	59.500	194.000		
45	D	4BU52 33-5AR10-2DA0	54.500	191.000	D	4BU52 33-5AR10-2CA0	54.500	191.000		
50	D	4BU53 33-5AR10-2DA0	58.000	212.000	D	4BU53 33-5AR10-2CA0	58.000	212.000		
56	D	4BU53 43-5AR10-2DA0	75.000	229.000	D	4BU53 43-5AR10-2CA0	75.000	229.000		
63	D	4BU54 33-5AR10-2DA0	52.000	267.000	D	4BU54 33-5AR10-2CA0	52.000	267.000		
71	D	4BU54 43-5AR10-2DA0	67.000	282.000	D	4BU54 43-5AR10-2CA0	67.000	282.000		
80	D	4BU55 33-5AR10-2DA0	72.000	314.000	D	4BU55 33-5AR10-2CA0	72.000	314.000		
91	D	4BU56 33-5AR10-2DA0	76.500	353.000	D	4BU56 33-5AR10-2CA0	76.500	353.000		
100	D	4BU56 43-5AR10-2DA0	94.000	370.000	D	4BU56 43-5AR10-2CA0	94.000	370.000		
112	X	4BU58 33-5AR10-2DA0	66.500	430.000	X	4BU58 33-5AR10-2CA0	66.500	430.000		
125	X	4BU58 43-5AR10-2DA0	84.000	449.000	X	4BU58 43-5AR10-2CA0	84.000	449.000		
140	X	4BU58 53-5AR10-2DA0	107.000	470.000	X	4BU58 53-5AR10-2CA0	107.000	470.000		
160	X	4BU59 33-5AR10-2DA0	114.500	527.000	X	4BU59 33-5AR10-2CA0	114.500	527.000		
180	X	4BU60 33-5AR10-2DA0	117.000	590.000	X	4BU60 33-5AR10-2CA0	117.000	590.000		

More products with higher ratings and degrees of protection IP20 and IP23 can be found in the interactive Catalog CA 01 and Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers with cURus approval

With one input voltage

Rated input voltage U_{1N} 3 AC 440 V, 440 V ± 5 %,
rated output voltage U_{2N} 3 AC Y 208 V,

$t_a = 40^\circ\text{C}/\text{H}$



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 440 V										
18	C 4BU43 33-2CR10-2DA0	21.500	100.000	C 4BU43 33-2CR10-2CA0	21.500	100.000				
20	C 4BU43 43-2CR10-2DA0	27.500	106.000	C 4BU43 43-2CR10-2CA0	27.500	106.000				
22.5	C 4BU43 53-2CR10-2DA0	37.000	115.000	C 4BU43 53-2CR10-2CA0	37.000	115.000				
25	D 4BU45 33-2CR10-2DA0	27.000	132.000	D 4BU45 33-2CR10-2CA0	27.000	132.000				
28	D 4BU45 43-2CR10-2DA0	35.000	140.000	D 4BU45 43-2CR10-2CA0	35.000	140.000				
31.5	D 4BU47 33-2CR10-2DA0	31.500	166.000	D 4BU47 33-2CR10-2CA0	31.500	166.000				
35.5	D 4BU47 43-2CR10-2DA0	41.000	175.000	D 4BU47 43-2CR10-2CA0	41.000	175.000				
40	D 4BU47 53-2CR10-2DA0	55.000	189.000	D 4BU47 53-2CR10-2CA0	55.000	189.000				
45	D 4BU52 33-2CR10-2DA0	50.500	187.000	D 4BU52 33-2CR10-2CA0	50.500	187.000				
50	D 4BU53 33-2CR10-2DA0	53.500	207.000	D 4BU53 33-2CR10-2CA0	53.500	207.000				
56	D 4BU53 43-2CR10-2DA0	69.500	223.000	D 4BU53 43-2CR10-2CA0	69.500	223.000				
63	D 4BU54 33-2CR10-2DA0	48.000	263.000	D 4BU54 33-2CR10-2CA0	48.000	263.000				
71	D 4BU54 43-2CR10-2DA0	62.000	277.000	D 4BU54 43-2CR10-2CA0	62.000	277.000				
80	D 4BU55 33-2CR10-2DA0	66.500	308.000	D 4BU55 33-2CR10-2CA0	66.500	308.000				
91	D 4BU56 33-2CR10-2DA0	70.500	347.000	D 4BU56 33-2CR10-2CA0	70.500	347.000				
100	D 4BU56 43-2CR10-2DA0	87.000	363.000	D 4BU56 43-2CR10-2CA0	87.000	363.000				
112	X 4BU58 33-2CR10-2DA0	61.500	425.000	X 4BU58 33-2CR10-2CA0	61.500	425.000				
125	X 4BU58 43-2CR10-2DA0	77.500	442.000	X 4BU58 43-2CR10-2CA0	77.500	442.000				
140	X 4BU58 53-2CR10-2DA0	99.000	462.000	X 4BU58 53-2CR10-2CA0	99.000	462.000				
160	X 4BU59 33-2CR10-2DA0	106.000	518.000	X 4BU59 33-2CR10-2CA0	106.000	518.000				
180	X 4BU60 33-2CR10-2DA0	108.000	581.000	X 4BU60 33-2CR10-2CA0	108.000	581.000				
Rated input voltage U_{1N} 3 AC 440 V ± 5 %										
18	C 4BU43 33-5CR10-2DA0	23.500	102.000	C 4BU43 33-5CR10-2CA0	23.500	102.000				
20	C 4BU43 43-5CR10-2DA0	30.000	109.000	C 4BU43 43-5CR10-2CA0	30.000	109.000				
22.5	C 4BU43 53-5CR10-2DA0	40.000	118.000	C 4BU43 53-5CR10-2CA0	40.000	118.000				
25	D 4BU45 33-5CR10-2DA0	29.500	135.000	D 4BU45 33-5CR10-2CA0	29.500	135.000				
28	D 4BU45 43-5CR10-2DA0	38.000	143.000	D 4BU45 43-5CR10-2CA0	38.000	143.000				
31.5	D 4BU47 33-5CR10-2DA0	34.000	169.000	D 4BU47 33-5CR10-2CA0	34.000	169.000				
35.5	D 4BU47 43-5CR10-2DA0	44.500	179.000	D 4BU47 43-5CR10-2CA0	44.500	179.000				
40	D 4BU47 53-5CR10-2DA0	59.500	194.000	D 4BU47 53-5CR10-2CA0	59.500	194.000				
45	D 4BU52 33-5CR10-2DA0	54.500	191.000	D 4BU52 33-5CR10-2CA0	54.500	191.000				
50	D 4BU53 33-5CR10-2DA0	58.000	212.000	D 4BU53 33-5CR10-2CA0	58.000	212.000				
56	D 4BU53 43-5CR10-2DA0	75.000	229.000	D 4BU53 43-5CR10-2CA0	75.000	229.000				
63	D 4BU54 33-5CR10-2DA0	52.000	267.000	D 4BU54 33-5CR10-2CA0	52.000	267.000				
71	D 4BU54 43-5CR10-2DA0	67.000	282.000	D 4BU54 43-5CR10-2CA0	67.000	282.000				
80	D 4BU55 33-5CR10-2DA0	72.000	314.000	D 4BU55 33-5CR10-2CA0	72.000	314.000				
91	D 4BU56 33-5CR10-2DA0	76.500	353.000	D 4BU56 33-5CR10-2CA0	76.500	353.000				
100	D 4BU56 43-5CR10-2DA0	94.000	370.000	D 4BU56 43-5CR10-2CA0	94.000	370.000				
112	X 4BU58 33-5CR10-2DA0	66.500	430.000	X 4BU58 33-5CR10-2CA0	66.500	430.000				
125	X 4BU58 43-5CR10-2DA0	84.000	449.000	X 4BU58 43-5CR10-2CA0	84.000	449.000				
140	X 4BU58 53-5CR10-2DA0	107.000	470.000	X 4BU58 53-5CR10-2CA0	107.000	470.000				
160	X 4BU59 33-5CR10-2DA0	114.500	527.000	X 4BU59 33-5CR10-2CA0	114.500	527.000				
180	X 4BU60 33-5CR10-2DA0	117.000	590.000	X 4BU60 33-5CR10-2CA0	117.000	590.000				

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

**SIRIUS 4BU matching transformers
with cURus approval**

With one input voltage

**Rated input voltage U_{1N} 3 AC 480 V, 480 V ± 5 %,
rated output voltage U_{2N} 3 AC Y 208 V,
 $t_a = 40^\circ\text{C}/\text{H}$**



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 480 V										
18	C 4BU43 33-2ER10-2DA0	21.500	100.000	C 4BU43 33-2ER10-2CA0	21.500	100.000				
20	C 4BU43 43-2ER10-2DA0	27.500	106.000	C 4BU43 43-2ER10-2CA0	27.500	106.000				
22.5	C 4BU43 53-2ER10-2DA0	37.000	115.000	C 4BU43 53-2ER10-2CA0	37.000	115.000				
25	D 4BU45 33-2ER10-2DA0	27.000	132.000	D 4BU45 33-2ER10-2CA0	27.000	132.000				
28	D 4BU45 43-2ER10-2DA0	35.000	140.000	D 4BU45 43-2ER10-2CA0	35.000	140.000				
31.5	C 4BU47 33-2ER10-2DA0	31.500	166.000	D 4BU47 33-2ER10-2CA0	31.500	166.000				
35.5	D 4BU47 43-2ER10-2DA0	41.000	175.000	D 4BU47 43-2ER10-2CA0	41.000	175.000				
40	D 4BU47 53-2ER10-2DA0	55.000	189.000	D 4BU47 53-2ER10-2CA0	55.000	189.000				
45	D 4BU52 33-2ER10-2DA0	50.500	187.000	D 4BU52 33-2ER10-2CA0	50.500	187.000				
50	D 4BU53 33-2ER10-2DA0	53.500	207.000	D 4BU53 33-2ER10-2CA0	53.500	207.000				
56	D 4BU53 43-2ER10-2DA0	69.500	223.000	D 4BU53 43-2ER10-2CA0	69.500	223.000				
63	D 4BU54 33-2ER10-2DA0	48.000	263.000	D 4BU54 33-2ER10-2CA0	48.000	263.000				
71	D 4BU54 43-2ER10-2DA0	62.000	277.000	D 4BU54 43-2ER10-2CA0	62.000	277.000				
80	D 4BU55 33-2ER10-2DA0	66.500	308.000	D 4BU55 33-2ER10-2CA0	66.500	308.000				
91	D 4BU56 33-2ER10-2DA0	70.500	347.000	D 4BU56 33-2ER10-2CA0	70.500	347.000				
100	D 4BU56 43-2ER10-2DA0	87.000	363.000	D 4BU56 43-2ER10-2CA0	87.000	363.000				
112	X 4BU58 33-2ER10-2DA0	61.500	425.000	X 4BU58 33-2ER10-2CA0	61.500	425.000				
125	X 4BU58 43-2ER10-2DA0	77.500	442.000	X 4BU58 43-2ER10-2CA0	77.500	442.000				
140	X 4BU58 53-2ER10-2DA0	99.000	462.000	X 4BU58 53-2ER10-2CA0	99.000	462.000				
160	X 4BU59 33-2ER10-2DA0	106.000	518.000	X 4BU59 33-2ER10-2CA0	106.000	518.000				
180	X 4BU60 33-2ER10-2DA0	108.000	581.000	X 4BU60 33-2ER10-2CA0	108.000	581.000				
Rated input voltage U_{1N} 3 AC 480 V ± 5 %										
18	C 4BU43 33-5ER10-2DA0	23.500	102.000	C 4BU43 33-5ER10-2CA0	23.500	102.000				
20	C 4BU43 43-5ER10-2DA0	30.000	109.000	C 4BU43 43-5ER10-2CA0	30.000	109.000				
22.5	C 4BU43 53-5ER10-2DA0	40.000	118.000	C 4BU43 53-5ER10-2CA0	40.000	118.000				
25	D 4BU45 33-5ER10-2DA0	29.500	135.000	D 4BU45 33-5ER10-2CA0	29.500	135.000				
28	D 4BU45 43-5ER10-2DA0	38.000	143.000	D 4BU45 43-5ER10-2CA0	38.000	143.000				
31.5	D 4BU47 33-5ER10-2DA0	34.000	169.000	D 4BU47 33-5ER10-2CA0	34.000	169.000				
35.5	D 4BU47 43-5ER10-2DA0	44.500	179.000	D 4BU47 43-5ER10-2CA0	44.500	179.000				
40	D 4BU47 53-5ER10-2DA0	59.500	194.000	D 4BU47 53-5ER10-2CA0	59.500	194.000				
45	D 4BU52 33-5ER10-2DA0	54.500	191.000	D 4BU52 33-5ER10-2CA0	54.500	191.000				
50	D 4BU53 33-5ER10-2DA0	58.000	212.000	D 4BU53 33-5ER10-2CA0	58.000	212.000				
56	D 4BU53 43-5ER10-2DA0	75.000	229.000	D 4BU53 43-5ER10-2CA0	75.000	229.000				
63	D 4BU54 33-5ER10-2DA0	52.000	267.000	D 4BU54 33-5ER10-2CA0	52.000	267.000				
71	D 4BU54 43-5ER10-2DA0	67.000	282.000	D 4BU54 43-5ER10-2CA0	67.000	282.000				
80	D 4BU55 33-5ER10-2DA0	72.000	314.000	D 4BU55 33-5ER10-2CA0	72.000	314.000				
91	D 4BU56 33-5ER10-2DA0	76.500	353.000	D 4BU56 33-5ER10-2CA0	76.500	353.000				
100	D 4BU56 43-5ER10-2DA0	94.000	370.000	D 4BU56 43-5ER10-2CA0	94.000	370.000				
112	X 4BU58 33-5ER10-2DA0	66.500	430.000	X 4BU58 33-5ER10-2CA0	66.500	430.000				
125	X 4BU58 43-5ER10-2DA0	84.000	449.000	X 4BU58 43-5ER10-2CA0	84.000	449.000				
140	X 4BU58 53-5ER10-2DA0	107.000	470.000	X 4BU58 53-5ER10-2CA0	107.000	470.000				
160	X 4BU59 33-5ER10-2DA0	114.500	527.000	X 4BU59 33-5ER10-2CA0	114.500	527.000				
180	X 4BU60 33-5ER10-2DA0	117.000	590.000	X 4BU60 33-5ER10-2CA0	117.000	590.000				

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers with cURus approval

With one input voltage

Rated input voltage U_{1N} 3 AC 400 V, 400 V ± 5 %,
rated output voltage U_{2N} 3 AC Y 400 V,

$t_a = 40^\circ \text{C/H}$



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	kg			Order No.	Price per PU	kg		
Rated input voltage U_{1N} 3 AC 400 V										
18	C 4BU43 33-2AA20-2DA0	21.500	100.000	C 4BU43 33-2AA20-2CA0	21.500	100.000				
20	C 4BU43 43-2AA20-2DA0	27.500	106.000	C 4BU43 43-2AA20-2CA0	27.500	106.000				
22.5	C 4BU43 53-2AA20-2DA0	37.000	115.000	C 4BU43 53-2AA20-2CA0	37.000	115.000				
25	D 4BU45 33-2AA20-2DA0	27.000	132.000	D 4BU45 33-2AA20-2CA0	27.000	132.000				
28	D 4BU45 43-2AA20-2DA0	35.000	140.000	D 4BU45 43-2AA20-2CA0	35.000	140.000				
31.5	D 4BU47 33-2AA20-2DA0	31.500	166.000	D 4BU47 33-2AA20-2CA0	31.500	166.000				
35.5	D 4BU47 43-2AA20-2DA0	41.000	175.000	D 4BU47 43-2AA20-2CA0	41.000	175.000				
40	D 4BU47 53-2AA20-2DA0	55.000	189.000	D 4BU47 53-2AA20-2CA0	55.000	189.000				
45	D 4BU52 33-2AA20-2DA0	50.500	187.000	D 4BU52 33-2AA20-2CA0	50.500	187.000				
50	D 4BU53 33-2AA20-2DA0	53.500	207.000	D 4BU53 33-2AA20-2CA0	53.500	207.000				
56	D 4BU53 43-2AA20-2DA0	69.500	223.000	D 4BU53 43-2AA20-2CA0	69.500	223.000				
63	D 4BU54 33-2AA20-2DA0	48.000	263.000	D 4BU54 33-2AA20-2CA0	48.000	263.000				
71	D 4BU54 43-2AA20-2DA0	65.000	277.000	D 4BU54 43-2AA20-2CA0	62.000	277.000				
80	D 4BU55 33-2AA20-2DA0	66.500	308.000	D 4BU55 33-2AA20-2CA0	66.500	308.000				
91	D 4BU56 33-2AA20-2DA0	70.500	347.000	D 4BU56 33-2AA20-2CA0	70.500	347.000				
100	D 4BU56 43-2AA20-2DA0	87.000	363.000	D 4BU56 43-2AA20-2CA0	87.000	363.000				
112	X 4BU58 33-2AA20-2DA0	61.500	425.000	X 4BU58 33-2AA20-2CA0	61.500	425.000				
125	X 4BU58 43-2AA20-2DA0	77.500	442.000	X 4BU58 43-2AA20-2CA0	77.500	442.000				
140	X 4BU58 53-2AA20-2DA0	99.000	462.000	X 4BU58 53-2AA20-2CA0	99.000	462.000				
160	X 4BU59 33-2AA20-2DA0	106.000	518.000	X 4BU59 33-2AA20-2CA0	106.000	518.000				
180	X 4BU60 33-2AA20-2DA0	108.000	581.000	X 4BU60 33-2AA20-2CA0	108.000	581.000				
Rated input voltage U_{1N} 3 AC 400 V ± 5 %										
18	C 4BU43 33-5AA20-2DA0	23.500	102.000	C 4BU43 33-5AA20-2CA0	23.500	102.000				
20	C 4BU43 43-5AA20-2DA0	30.000	120.000	C 4BU43 43-5AA20-2CA0	30.000	109.000				
22.5	C 4BU43 53-5AA20-2DA0	40.000	118.000	C 4BU43 53-5AA20-2CA0	40.000	118.000				
25	D 4BU45 33-5AA20-2DA0	29.500	135.000	D 4BU45 33-5AA20-2CA0	29.500	135.000				
28	D 4BU45 43-5AA20-2DA0	38.000	143.000	D 4BU45 43-5AA20-2CA0	38.000	143.000				
31.5	D 4BU47 33-5AA20-2DA0	34.000	169.000	D 4BU47 33-5AA20-2CA0	34.000	169.000				
35.5	C 4BU47 43-5AA20-2DA0	44.500	179.000	D 4BU47 43-5AA20-2CA0	44.500	179.000				
40	D 4BU47 53-5AA20-2DA0	59.500	194.000	D 4BU47 53-5AA20-2CA0	59.500	194.000				
45	D 4BU52 33-5AA20-2DA0	54.500	191.000	D 4BU52 33-5AA20-2CA0	54.500	191.000				
50	D 4BU53 33-5AA20-2DA0	58.000	212.000	D 4BU53 33-5AA20-2CA0	58.000	212.000				
56	D 4BU53 43-5AA20-2DA0	75.000	229.000	D 4BU53 43-5AA20-2CA0	75.000	229.000				
63	D 4BU54 33-5AA20-2DA0	52.000	267.000	D 4BU54 33-5AA20-2CA0	52.000	267.000				
71	D 4BU54 43-5AA20-2DA0	67.000	282.000	D 4BU54 43-5AA20-2CA0	67.000	282.000				
80	D 4BU55 33-5AA20-2DA0	72.000	314.000	D 4BU55 33-5AA20-2CA0	72.000	314.000				
91	D 4BU56 33-5AA20-2DA0	76.500	353.000	D 4BU56 33-5AA20-2CA0	76.500	353.000				
100	D 4BU56 43-5AA20-2DA0	94.000	370.000	D 4BU56 43-5AA20-2CA0	94.000	370.000				
112	X 4BU58 33-5AA20-2DA0	66.500	430.000	X 4BU58 33-5AA20-2CA0	66.500	430.000				
125	X 4BU58 43-5AA20-2DA0	84.000	449.000	X 4BU58 43-5AA20-2CA0	84.000	449.000				
140	X 4BU58 53-5AA20-2DA0	107.000	470.000	X 4BU58 53-5AA20-2CA0	107.000	470.000				
160	X 4BU59 33-5AA20-2DA0	114.500	527.000	X 4BU59 33-5AA20-2CA0	114.500	527.000				
180	X 4BU60 33-5AA20-2DA0	117.000	590.000	X 4BU60 33-5AA20-2CA0	117.000	590.000				

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

**SIRIUS 4BU matching transformers
with cURus approval**

With one input voltage

**Rated input voltage U_{1N} 3 AC 440 V, 3 AC 440 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC Δ 400 V,
 $t_a = 40^\circ\text{C}/\text{H}$**



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	Order No.			Order No.	Price per PU	Order No.		
Rated input voltage U_{1N} 3 AC 440 V										
18	C 4BU43 33-2CA20-2DA0	21.500	100.000	C 4BU43 33-2CA20-2CA0	21.500	100.000				
20	C 4BU43 43-2CA20-2DA0	27.500	106.000	C 4BU43 43-2CA20-2CA0	27.500	106.000				
22.5	C 4BU43 53-2CA20-2DA0	37.000	115.000	C 4BU43 53-2CA20-2CA0	37.000	115.000				
25	D 4BU45 33-2CA20-2DA0	27.000	132.000	D 4BU45 33-2CA20-2CA0	27.000	132.000				
28	D 4BU45 43-2CA20-2DA0	35.000	140.000	D 4BU45 43-2CA20-2CA0	35.000	140.000				
31.5	D 4BU47 33-2CA20-2DA0	31.500	166.000	D 4BU47 33-2CA20-2CA0	31.500	166.000				
35.5	D 4BU47 43-2CA20-2DA0	41.000	175.000	D 4BU47 43-2CA20-2CA0	41.000	175.000				
40	D 4BU47 53-2CA20-2DA0	55.000	189.000	D 4BU47 53-2CA20-2CA0	55.000	189.000				
45	D 4BU52 33-2CA20-2DA0	50.500	187.000	D 4BU52 33-2CA20-2CA0	50.500	187.000				
50	D 4BU53 33-2CA20-2DA0	53.500	207.000	D 4BU53 33-2CA20-2CA0	53.500	207.000				
56	D 4BU53 43-2CA20-2DA0	69.500	223.000	D 4BU53 43-2CA20-2CA0	69.500	223.000				
63	D 4BU54 33-2CA20-2DA0	48.000	263.000	D 4BU54 33-2CA20-2CA0	48.000	263.000				
71	D 4BU54 43-2CA20-2DA0	62.000	277.000	D 4BU54 43-2CA20-2CA0	62.000	277.000				
80	D 4BU55 33-2CA20-2DA0	66.500	308.000	D 4BU55 33-2CA20-2CA0	66.500	308.000				
91	D 4BU56 33-2CA20-2DA0	70.500	347.000	D 4BU56 33-2CA20-2CA0	70.500	347.000				
100	D 4BU56 43-2CA20-2DA0	87.000	363.000	D 4BU56 43-2CA20-2CA0	87.000	363.000				
112	X 4BU58 33-2CA20-2DA0	61.500	425.000	X 4BU58 33-2CA20-2CA0	61.500	425.000				
125	X 4BU58 43-2CA20-2DA0	77.500	442.000	X 4BU58 43-2CA20-2CA0	77.500	442.000				
140	X 4BU58 53-2CA20-2DA0	99.000	462.000	X 4BU58 53-2CA20-2CA0	99.000	462.000				
160	X 4BU59 33-2CA20-2DA0	106.000	518.000	X 4BU59 33-2CA20-2CA0	106.000	518.000				
180	X 4BU60 33-2CA20-2DA0	108.000	581.000	X 4BU60 33-2CA20-2CA0	108.000	581.000				
Rated input voltage U_{1N} 3 AC 440 V $\pm 5\%$										
18	C 4BU43 33-5CA20-2DA0	23.500	102.000	C 4BU43 33-5CA20-2CA0	23.500	102.000				
20	C 4BU43 43-5CA20-2DA0	30.000	109.000	C 4BU43 43-5CA20-2CA0	30.000	109.000				
22.5	C 4BU43 53-5CA20-2DA0	40.000	118.000	C 4BU43 53-5CA20-2CA0	40.000	118.000				
25	D 4BU45 33-5CA20-2DA0	29.500	135.000	D 4BU45 33-5CA20-2CA0	29.500	135.000				
28	D 4BU45 43-5CA20-2DA0	38.000	143.000	D 4BU45 43-5CA20-2CA0	38.000	143.000				
31.5	D 4BU47 33-5CA20-2DA0	34.000	169.000	D 4BU47 33-5CA20-2CA0	34.000	169.000				
35.5	D 4BU47 43-5CA20-2DA0	44.500	179.000	D 4BU47 43-5CA20-2CA0	44.500	179.000				
40	D 4BU47 53-5CA20-2DA0	59.500	194.000	D 4BU47 53-5CA20-2CA0	59.500	194.000				
45	D 4BU52 33-5CA20-2DA0	54.500	191.000	D 4BU52 33-5CA20-2CA0	54.500	191.000				
50	D 4BU53 33-5CA20-2DA0	58.000	212.000	D 4BU53 33-5CA20-2CA0	58.000	212.000				
56	D 4BU53 43-5CA20-2DA0	75.000	229.000	D 4BU53 43-5CA20-2CA0	75.000	229.000				
63	D 4BU54 33-5CA20-2DA0	52.000	267.000	D 4BU54 33-5CA20-2CA0	52.000	267.000				
71	D 4BU54 43-5CA20-2DA0	67.000	282.000	D 4BU54 43-5CA20-2CA0	67.000	282.000				
80	D 4BU55 33-5CA20-2DA0	72.000	314.000	D 4BU55 33-5CA20-2CA0	72.000	314.000				
91	D 4BU56 33-5CA20-2DA0	76.500	353.000	D 4BU56 33-5CA20-2CA0	76.500	353.000				
100	D 4BU56 43-5CA20-2DA0	94.000	370.000	D 4BU56 43-5CA20-2CA0	94.000	370.000				
112	X 4BU58 33-5CA20-2DA0	66.500	430.000	X 4BU58 33-5CA20-2CA0	66.500	430.000				
125	X 4BU58 43-5CA20-2DA0	84.000	449.000	X 4BU58 43-5CA20-2CA0	84.000	449.000				
140	X 4BU58 53-5CA20-2DA0	107.000	470.000	X 4BU58 53-5CA20-2CA0	107.000	470.000				
160	X 4BU59 33-5CA20-2DA0	114.500	527.000	X 4BU59 33-5CA20-2CA0	114.500	527.000				
180	X 4BU60 33-5CA20-2DA0	117.000	590.000	X 4BU60 33-5CA20-2CA0	117.000	590.000				

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers with cURus approval

With one input voltage

Rated input voltage U_{1N} 3 AC 480 V, 480 V ± 5 %,
rated output voltage U_{2N} 3 AC Y 400 V,

$t_a = 40^\circ \text{C/H}$



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	kg			Order No.	Price per PU	kg		
Rated input voltage U_{1N} 3 AC 480 V										
18	C 4BU43 33-2EA20-2DA0	21.500	100.000	C 4BU43 33-2EA20-2CA0	21.500	100.000				
20	C 4BU43 43-2EA20-2DA0	27.500	106.000	C 4BU43 43-2EA20-2CA0	27.500	106.000				
22.5	C 4BU43 53-2EA20-2DA0	37.000	115.000	C 4BU43 53-2EA20-2CA0	37.000	115.000				
25	D 4BU45 33-2EA20-2DA0	27.000	132.000	D 4BU45 33-2EA20-2CA0	27.000	132.000				
28	D 4BU45 43-2EA20-2DA0	35.000	140.000	D 4BU45 43-2EA20-2CA0	35.000	140.000				
31.5	C 4BU47 33-2EA20-2DA0	31.500	166.000	D 4BU47 33-2EA20-2CA0	31.500	166.000				
35.5	D 4BU47 43-2EA20-2DA0	41.000	175.000	D 4BU47 43-2EA20-2CA0	41.000	175.000				
40	D 4BU47 53-2EA20-2DA0	55.000	189.000	D 4BU47 53-2EA20-2CA0	55.000	189.000				
45	D 4BU52 33-2EA20-2DA0	50.500	187.000	D 4BU52 33-2EA20-2CA0	50.500	187.000				
50	D 4BU53 33-2EA20-2DA0	53.500	207.000	D 4BU53 33-2EA20-2CA0	53.500	207.000				
56	D 4BU53 43-2EA20-2DA0	69.500	223.000	D 4BU53 43-2EA20-2CA0	69.500	223.000				
63	D 4BU54 33-2EA20-2DA0	48.000	263.000	D 4BU54 33-2EA20-2CA0	48.000	263.000				
71	D 4BU54 43-2EA20-2DA0	62.000	277.000	D 4BU54 43-2EA20-2CA0	62.000	277.000				
80	D 4BU55 33-2EA20-2DA0	66.500	308.000	D 4BU55 33-2EA20-2CA0	66.500	308.000				
91	D 4BU56 33-2EA20-2DA0	70.500	347.000	D 4BU56 33-2EA20-2CA0	70.500	347.000				
100	D 4BU56 43-2EA20-2DA0	87.000	363.000	D 4BU56 43-2EA20-2CA0	87.000	363.000				
112	X 4BU58 33-2EA20-2DA0	61.500	425.000	X 4BU58 33-2EA20-2CA0	61.500	425.000				
125	X 4BU58 43-2EA20-2DA0	77.500	442.000	X 4BU58 43-2EA20-2CA0	77.500	442.000				
140	X 4BU58 53-2EA20-2DA0	99.000	462.000	X 4BU58 53-2EA20-2CA0	99.000	462.000				
160	X 4BU59 33-2EA20-2DA0	106.000	518.000	D 4BU59 33-2EA20-2CA0	106.000	518.000				
180	X 4BU60 33-2EA20-2DA0	108.000	581.000	X 4BU60 33-2EA20-2CA0	108.000	581.000				
Rated input voltage U_{1N} 3 AC 480 V ± 5 %										
18	C 4BU43 33-5EA20-2DA0	23.500	115.000	C 4BU43 33-5EA20-2CA0	23.500	102.000				
20	C 4BU43 43-5EA20-2DA0	30.000	109.000	C 4BU43 43-5EA20-2CA0	30.000	109.000				
22.5	C 4BU43 53-5EA20-2DA0	42.410	120.000	C 4BU43 53-5EA20-2CA0	40.000	118.000				
25	C 4BU45 33-5EA20-2DA0	29.500	135.000	D 4BU45 33-5EA20-2CA0	29.500	135.000				
28	D 4BU45 43-5EA20-2DA0	38.000	143.000	D 4BU45 43-5EA20-2CA0	38.000	143.000				
31.5	D 4BU47 33-5EA20-2DA0	34.000	169.000	D 4BU47 33-5EA20-2CA0	34.000	169.000				
35.5	D 4BU47 43-5EA20-2DA0	44.500	179.000	D 4BU47 43-5EA20-2CA0	44.500	179.000				
40	C 4BU47 53-5EA20-2DA0	59.500	194.000	D 4BU47 53-5EA20-2CA0	59.500	194.000				
45	D 4BU52 33-5EA20-2DA0	54.500	191.000	D 4BU52 33-5EA20-2CA0	54.500	191.000				
50	D 4BU53 33-5EA20-2DA0	58.000	212.000	D 4BU53 33-5EA20-2CA0	58.000	212.000				
56	D 4BU53 43-5EA20-2DA0	75.000	229.000	D 4BU53 43-5EA20-2CA0	75.000	229.000				
63	D 4BU54 33-5EA20-2DA0	52.000	267.000	D 4BU54 33-5EA20-2CA0	52.000	267.000				
71	D 4BU54 43-5EA20-2DA0	67.000	282.000	D 4BU54 43-5EA20-2CA0	67.000	282.000				
80	D 4BU55 33-5EA20-2DA0	72.000	314.000	D 4BU55 33-5EA20-2CA0	72.000	314.000				
91	D 4BU56 33-5EA20-2DA0	76.500	353.000	D 4BU56 33-5EA20-2CA0	76.500	353.000				
100	D 4BU56 43-5EA20-2DA0	94.000	370.000	D 4BU56 43-5EA20-2CA0	94.000	370.000				
112	X 4BU58 33-5EA20-2DA0	66.500	430.000	X 4BU58 33-5EA20-2CA0	66.500	430.000				
125	X 4BU58 43-5EA20-2DA0	84.000	449.000	X 4BU58 43-5EA20-2CA0	84.000	449.000				
140	X 4BU58 53-5EA20-2DA0	107.000	470.000	X 4BU58 53-5EA20-2CA0	107.000	470.000				
160	X 4BU59 33-5EA20-2DA0	114.500	527.000	X 4BU59 33-5EA20-2CA0	114.500	527.000				
180	X 4BU60 33-5EA20-2DA0	117.000	590.000	X 4BU60 33-5EA20-2CA0	117.000	590.000				

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

**SIRIUS 4BU matching transformers
with cURus approval**

With one input voltage

Rated input voltage

U_{1N} 3 AC 400 V, 400 V $\pm 5\%$, 440 V, 440 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC γ 208 V,
 $t_a = 55^\circ\text{C}/\text{H}$



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾ Vector group Yyn0	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
	kVA	kg	kg							
Rated input voltage U_{1N} 3 AC 400 V										
18	C 4BU43 33-2AR13-2DA0	24.500	103.000	C	4BU43 33-2AR13-2CA0	24.500	103.000			
20	C 4BU43 43-2AR13-2DA0	32.000	110.000	C	4BU43 43-2AR13-2CA0	32.000	110.000			
22.5	C 4BU43 53-2AR13-2DA0	43.000	121.000	C	4BU43 53-2AR13-2CA0	43.000	121.000			
25	D 4BU45 33-2AR13-2DA0	31.000	136.000	D	4BU45 33-2AR13-2CA0	31.000	136.000			
28	D 4BU45 43-2AR13-2DA0	41.000	146.000	D	4BU45 43-2AR13-2CA0	41.000	146.000			
31.5	D 4BU47 33-2AR13-2DA0	36.000	170.000	D	4BU47 33-2AR13-2CA0	36.000	170.000			
35.5	D 4BU47 43-2AR13-2DA0	48.000	182.000	D	4BU47 43-2AR13-2CA0	48.000	182.000			
40	D 4BU47 53-2AR13-2DA0	64.500	199.000	D	4BU47 53-2AR13-2CA0	64.500	199.000			
45	D 4BU52 33-2AR13-2DA0	58.000	194.000	D	4BU52 33-2AR13-2CA0	58.000	194.000			
50	D 4BU53 33-2AR13-2DA0	61.500	215.000	D	4BU53 33-2AR13-2CA0	61.500	215.000			
56	D 4BU53 43-2AR13-2DA0	80.000	233.000	D	4BU53 43-2AR13-2CA0	80.000	233.000			
63	D 4BU54 33-2AR13-2DA0	54.000	269.000	D	4BU54 33-2AR13-2CA0	54.000	269.000			
71	X 4BU54 43-2AR13-2DA0	71.000	286.000	D	4BU54 43-2AR13-2CA0	71.000	286.000			
Rated input voltage U_{1N} 3 AC 400 V $\pm 5\%$										
18	C 4BU43 33-5AR13-2DA0	26.500	105.000	C	4BU43 33-5AR13-2CA0	26.500	105.000			
20	C 4BU43 43-5AR13-2DA0	35.000	113.000	C	4BU43 43-5AR13-2CA0	35.000	113.000			
22.5	C 4BU43 53-5AR13-2DA0	46.500	125.000	C	4BU43 53-5AR13-2CA0	46.500	125.000			
25	D 4BU45 33-5AR13-2DA0	33.500	139.000	D	4BU45 33-5AR13-2CA0	33.500	139.000			
28	D 4BU45 43-5AR13-2DA0	44.500	150.000	D	4BU45 43-5AR13-2CA0	44.500	150.000			
31.5	D 4BU47 33-5AR13-2DA0	39.000	173.000	D	4BU47 33-5AR13-2CA0	39.000	173.000			
35.5	D 4BU47 43-5AR13-2DA0	52.000	186.000	D	4BU47 43-5AR13-2CA0	52.000	186.000			
40	D 4BU47 53-5AR13-2DA0	70.000	206.000	D	4BU47 53-5AR13-2CA0	70.000	206.000			
45	D 4BU52 33-5AR13-2DA0	63.000	199.000	D	4BU52 33-5AR13-2CA0	63.000	199.000			
50	D 4BU53 33-5AR13-2DA0	72.000	220.000	D	4BU53 33-5AR13-2CA0	66.500	220.000			
56	D 4BU53 43-5AR13-2DA0	86.500	240.000	D	4BU53 43-5AR13-2CA0	86.500	240.000			
63	D 4BU54 33-5AR13-2DA0	58.500	274.000	D	4BU54 33-5AR13-2CA0	58.500	274.000			
71	D 4BU54 43-5AR13-2DA0	77.000	292.000	D	4BU54 43-5AR13-2CA0	77.000	292.000			
Rated input voltage U_{1N} 3 AC 440 V										
18	C 4BU43 33-2CR13-2DA0	24.500	103.000	C	4BU43 33-2CR13-2CA0	24.500	103.000			
20	C 4BU43 43-2CR13-2DA0	32.000	110.000	C	4BU43 43-2CR13-2CA0	32.000	110.000			
22.5	C 4BU43 53-2CR13-2DA0	43.000	121.000	C	4BU43 53-2CR13-2CA0	43.000	121.000			
25	D 4BU45 33-2CR13-2DA0	31.000	136.000	D	4BU45 33-2CR13-2CA0	31.000	136.000			
28	D 4BU45 43-2CR13-2DA0	41.000	146.000	D	4BU45 43-2CR13-2CA0	41.000	146.000			
31.5	D 4BU47 33-2CR13-2DA0	36.000	170.000	D	4BU47 33-2CR13-2CA0	36.000	170.000			
35.5	D 4BU47 43-2CR13-2DA0	48.000	182.000	D	4BU47 43-2CR13-2CA0	48.000	182.000			
40	D 4BU47 53-2CR13-2DA0	64.500	199.000	D	4BU47 53-2CR13-2CA0	64.500	199.000			
45	D 4BU52 33-2CR13-2DA0	58.000	194.000	D	4BU52 33-2CR13-2CA0	58.000	194.000			
50	D 4BU53 33-2CR13-2DA0	61.500	215.000	D	4BU53 33-2CR13-2CA0	61.500	215.000			
56	D 4BU53 43-2CR13-2DA0	80.000	233.000	D	4BU53 43-2CR13-2CA0	80.000	233.000			
63	D 4BU54 33-2CR13-2DA0	54.000	269.000	D	4BU54 33-2CR13-2CA0	54.000	269.000			
71	D 4BU54 43-2CR13-2DA0	71.000	286.000	D	4BU54 43-2CR13-2CA0	71.000	286.000			
Rated input voltage U_{1N} 3 AC 440 V $\pm 5\%$										
18	C 4BU43 33-5CR13-2DA0	26.500	105.000	C	4BU43 33-5CR13-2CA0	26.500	105.000			
20	C 4BU43 43-5CR13-2DA0	35.000	113.000	C	4BU43 43-5CR13-2CA0	35.000	113.000			
22.5	C 4BU43 53-5CR13-2DA0	46.500	125.000	C	4BU43 53-5CR13-2CA0	46.500	125.000			
25	D 4BU45 33-5CR13-2DA0	33.500	139.000	D	4BU45 33-5CR13-2CA0	33.500	139.000			
28	D 4BU45 43-5CR13-2DA0	44.500	150.000	D	4BU45 43-5CR13-2CA0	44.500	150.000			
31.5	D 4BU47 33-5CR13-2DA0	39.000	173.000	D	4BU47 33-5CR13-2CA0	39.000	173.000			
35.5	D 4BU47 43-5CR13-2DA0	52.000	186.000	D	4BU47 43-5CR13-2CA0	52.000	186.000			
40	D 4BU47 53-5CR13-2DA0	70.000	206.000	D	4BU47 53-5CR13-2CA0	70.000	206.000			
45	D 4BU52 33-5CR13-2DA0	63.000	199.000	D	4BU52 33-5CR13-2CA0	63.000	199.000			
50	D 4BU53 33-5CR13-2DA0	66.500	220.000	D	4BU53 33-5CR13-2CA0	66.500	220.000			
56	D 4BU53 43-5CR13-2DA0	86.500	240.000	D	4BU53 43-5CR13-2CA0	86.500	240.000			
63	D 4BU54 33-5CR13-2DA0	58.500	274.000	D	4BU54 33-5CR13-2CA0	58.500	274.000			
71	D 4BU54 43-5CR13-2DA0	77.000	292.000	D	4BU54 43-5CR13-2CA0	77.000	292.000			

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers with cURus approval

With one input voltage

Rated input voltage U_{1N} 3 AC 480 V, 480 V ± 5 %,
rated output voltage U_{2N} 3 AC Y 208 V,

$t_a = 55^\circ\text{C}/\text{H}$



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	kg			Order No.	Price per PU	kg		
Rated input voltage U_{1N} 3 AC 480 V										
18	C 4BU43 33-2ER13-2DA0	24.500	103.000	C 4BU43 33-2ER13-2CA0	24.500	103.000				
20	C 4BU43 43-2ER13-2DA0	32.000	110.000	C 4BU43 43-2ER13-2CA0	32.000	110.000				
22.5	C 4BU43 53-2ER13-2DA0	43.000	121.000	C 4BU43 53-2ER13-2CA0	43.000	121.000				
25	D 4BU45 33-2ER13-2DA0	31.000	136.000	D 4BU45 33-2ER13-2CA0	31.000	136.000				
28	D 4BU45 43-2ER13-2DA0	41.000	146.000	D 4BU45 43-2ER13-2CA0	41.000	146.000				
31.5	D 4BU47 33-2ER13-2DA0	36.000	170.000	D 4BU47 33-2ER13-2CA0	36.000	170.000				
35.5	D 4BU47 43-2ER13-2DA0	48.000	182.000	D 4BU47 43-2ER13-2CA0	48.000	182.000				
40	D 4BU47 53-2ER13-2DA0	64.500	199.000	D 4BU47 53-2ER13-2CA0	64.500	199.000				
45	D 4BU52 33-2ER13-2DA0	58.000	194.000	D 4BU52 33-2ER13-2CA0	58.000	194.000				
50	D 4BU53 33-2ER13-2DA0	61.500	215.000	D 4BU53 33-2ER13-2CA0	61.500	215.000				
56	D 4BU53 43-2ER13-2DA0	80.000	233.000	D 4BU53 43-2ER13-2CA0	80.000	233.000				
63	D 4BU54 33-2ER13-2DA0	54.000	269.000	D 4BU54 33-2ER13-2CA0	54.000	269.000				
71	D 4BU54 43-2ER13-2DA0	71.000	286.000	D 4BU54 43-2ER13-2CA0	71.000	286.000				
Rated input voltage U_{1N} 3 AC 480 V ± 5 %										
18	C 4BU43 33-5ER13-2DA0	26.500	105.000	C 4BU43 33-5ER13-2CA0	26.500	105.000				
20	C 4BU43 43-5ER13-2DA0	35.000	113.000	C 4BU43 43-5ER13-2CA0	35.000	113.000				
22.5	C 4BU43 53-5ER13-2DA0	46.500	125.000	C 4BU43 53-5ER13-2CA0	46.500	125.000				
25	D 4BU45 33-5ER13-2DA0	33.500	139.000	D 4BU45 33-5ER13-2CA0	33.500	139.000				
28	D 4BU45 43-5ER13-2DA0	44.500	150.000	D 4BU45 43-5ER13-2CA0	44.500	150.000				
31.5	D 4BU47 33-5ER13-2DA0	39.000	173.000	D 4BU47 33-5ER13-2CA0	39.000	173.000				
35.5	D 4BU47 43-5ER13-2DA0	52.000	186.000	D 4BU47 43-5ER13-2CA0	52.000	186.000				
40	D 4BU47 53-5ER13-2DA0	70.000	206.000	D 4BU47 53-5ER13-2CA0	70.000	206.000				
45	D 4BU52 33-5ER13-2DA0	63.000	199.000	D 4BU52 33-5ER13-2CA0	63.000	199.000				
50	D 4BU53 33-5ER13-2DA0	66.500	220.000	D 4BU53 33-5ER13-2CA0	66.500	220.000				
56	D 4BU53 43-5ER13-2DA0	86.500	240.000	D 4BU53 43-5ER13-2CA0	86.500	240.000				
63	D 4BU54 33-5ER13-2DA0	58.500	274.000	D 4BU54 33-5ER13-2CA0	58.500	274.000				
71	D 4BU54 43-5ER13-2DA0	77.000	292.000	D 4BU54 43-5ER13-2CA0	77.000	292.000				

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

**SIRIUS 4BU matching transformers
with cURus approval**

With one input voltage

Rated input voltage

U_{1N} 3 AC 400 V, 400 V $\pm 5\%$, 440 V, 440 V $\pm 5\%$,
rated output voltage U_{2N} 3 AC ∇ 400 V,
 $t_a = 55^\circ\text{C}/\text{H}$



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx.	Total weight per PU approx.	DT ¹⁾ Vector group Yyn0	Order No.	Price per PU	Cu weight per PU approx.	Total weight per PU approx.
	kVA	kg	kg							
Rated input voltage U_{1N} 3 AC 400 V										
18	C 4BU43 33-2AA23-2DA0	24.500	105.000	C	4BU43 33-2AA23-2CA0	24.500	103.000			
20	C 4BU43 43-2AA23-2DA0	32.000	110.000	C	4BU43 43-2AA23-2CA0	32.000	110.000			
22.5	C 4BU43 53-2AA23-2DA0	43.000	121.000	C	4BU43 53-2AA23-2CA0	43.000	121.000			
25	D 4BU45 33-2AA23-2DA0	31.000	136.000	D	4BU45 33-2AA23-2CA0	31.000	136.000			
28	C 4BU45 43-2AA23-2DA0	41.000	146.000	D	4BU45 43-2AA23-2CA0	41.000	146.000			
31.5	D 4BU47 33-2AA23-2DA0	36.000	170.000	D	4BU47 33-2AA23-2CA0	36.000	170.000			
35.5	D 4BU47 43-2AA23-2DA0	48.000	182.000	D	4BU47 43-2AA23-2CA0	48.000	182.000			
40	D 4BU47 53-2AA23-2DA0	64.500	199.000	D	4BU47 53-2AA23-2CA0	64.500	199.000			
45	D 4BU52 33-2AA23-2DA0	58.000	194.000	D	4BU52 33-2AA23-2CA0	58.000	194.000			
50	D 4BU53 33-2AA23-2DA0	61.500	215.000	D	4BU53 33-2AA23-2CA0	61.500	215.000			
56	D 4BU53 43-2AA23-2DA0	80.000	233.000	D	4BU53 43-2AA23-2CA0	80.000	233.000			
63	D 4BU54 33-2AA23-2DA0	54.000	269.000	D	4BU54 33-2AA23-2CA0	54.000	269.000			
71	D 4BU54 43-2AA23-2DA0	71.000	286.000	D	4BU54 43-2AA23-2CA0	71.000	286.000			
Rated input voltage U_{1N} 3 AC 400 V $\pm 5\%$										
18	C 4BU43 33-5AA23-2DA0	26.500	105.000	C	4BU43 33-5AA23-2CA0	26.500	105.000			
20	C 4BU43 43-5AA23-2DA0	35.000	113.000	C	4BU43 43-5AA23-2CA0	35.000	113.000			
22.5	C 4BU43 53-5AA23-2DA0	46.500	125.000	C	4BU43 53-5AA23-2CA0	46.500	125.000			
25	D 4BU45 33-5AA23-2DA0	33.500	139.000	D	4BU45 33-5AA23-2CA0	33.500	139.000			
28	D 4BU45 43-5AA23-2DA0	44.500	150.000	D	4BU45 43-5AA23-2CA0	44.500	150.000			
31.5	D 4BU47 33-5AA23-2DA0	39.000	173.000	D	4BU47 33-5AA23-2CA0	39.000	173.000			
35.5	D 4BU47 43-5AA23-2DA0	52.000	186.000	D	4BU47 43-5AA23-2CA0	52.000	186.000			
40	D 4BU47 53-5AA23-2DA0	70.000	206.000	D	4BU47 53-5AA23-2CA0	70.000	206.000			
45	D 4BU52 33-5AA23-2DA0	63.000	199.000	D	4BU52 33-5AA23-2CA0	63.000	199.000			
50	D 4BU53 33-5AA23-2DA0	66.500	220.000	D	4BU53 33-5AA23-2CA0	66.500	220.000			
56	D 4BU53 43-5AA23-2DA0	86.500	240.000	D	4BU53 43-5AA23-2CA0	86.500	240.000			
63	D 4BU54 33-5AA23-2DA0	58.500	274.000	D	4BU54 33-5AA23-2CA0	58.500	274.000			
71	D 4BU54 43-5AA23-2DA0	77.000	292.000	D	4BU54 43-5AA23-2CA0	77.000	292.000			
Rated input voltage U_{1N} 3 AC 440 V										
18	C 4BU43 33-2CA23-2DA0	24.500	103.000	C	4BU43 33-2CA23-2CA0	24.500	103.000			
20	C 4BU43 43-2CA23-2DA0	32.000	110.000	C	4BU43 43-2CA23-2CA0	32.000	110.000			
22.5	C 4BU43 53-2CA23-2DA0	43.000	121.000	C	4BU43 53-2CA23-2CA0	43.000	121.000			
25	D 4BU45 33-2CA23-2DA0	31.000	136.000	D	4BU45 33-2CA23-2CA0	31.000	136.000			
28	D 4BU45 43-2CA23-2DA0	41.000	146.000	D	4BU45 43-2CA23-2CA0	41.000	146.000			
31.5	D 4BU47 33-2CA23-2DA0	36.000	170.000	D	4BU47 33-2CA23-2CA0	36.000	170.000			
35.5	D 4BU47 43-2CA23-2DA0	48.000	182.000	D	4BU47 43-2CA23-2CA0	48.000	182.000			
40	D 4BU47 53-2CA23-2DA0	64.500	199.000	D	4BU47 53-2CA23-2CA0	64.500	199.000			
45	D 4BU52 33-2CA23-2DA0	58.000	194.000	D	4BU52 33-2CA23-2CA0	58.000	194.000			
50	D 4BU53 33-2CA23-2DA0	61.500	215.000	D	4BU53 33-2CA23-2CA0	61.500	215.000			
56	D 4BU53 43-2CA23-2DA0	80.000	233.000	D	4BU53 43-2CA23-2CA0	80.000	233.000			
63	D 4BU54 33-2CA23-2DA0	54.000	269.000	D	4BU54 33-2CA23-2CA0	54.000	269.000			
71	D 4BU54 43-2CA23-2DA0	71.000	286.000	D	4BU54 43-2CA23-2CA0	71.000	286.000			
Rated input voltage U_{1N} 3 AC 440 V $\pm 5\%$										
18	C 4BU43 33-5CA23-2DA0	26.500	105.000	C	4BU43 33-5CA23-2CA0	26.500	105.000			
20	C 4BU43 43-5CA23-2DA0	35.000	113.000	C	4BU43 43-5CA23-2CA0	35.000	113.000			
22.5	C 4BU43 53-5CA23-2DA0	46.500	125.000	C	4BU43 53-5CA23-2CA0	46.500	125.000			
25	D 4BU45 33-5CA23-2DA0	33.500	139.000	D	4BU45 33-5CA23-2CA0	33.500	139.000			
28	D 4BU45 43-5CA23-2DA0	44.500	150.000	D	4BU45 43-5CA23-2CA0	44.500	150.000			
31.5	D 4BU47 33-5CA23-2DA0	39.000	173.000	D	4BU47 33-5CA23-2CA0	39.000	173.000			
35.5	D 4BU47 43-5CA23-2DA0	52.000	186.000	D	4BU47 43-5CA23-2CA0	52.000	186.000			
40	D 4BU47 53-5CA23-2DA0	70.000	206.000	D	4BU47 53-5CA23-2CA0	70.000	206.000			
45	D 4BU52 33-5CA23-2DA0	63.000	199.000	D	4BU52 33-5CA23-2CA0	63.000	199.000			
50	D 4BU53 33-5CA23-2DA0	66.500	220.000	D	4BU53 33-5CA23-2CA0	66.500	220.000			
56	D 4BU53 43-5CA23-2DA0	86.500	240.000	D	4BU53 43-5CA23-2CA0	86.500	240.000			
63	D 4BU54 33-5CA23-2DA0	58.500	274.000	D	4BU54 33-5CA23-2CA0	58.500	274.000			
71	D 4BU54 43-5CA23-2DA0	77.000	292.000	D	4BU54 43-5CA23-2CA0	77.000	292.000			

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Three-Phase Transformers

Power Transformers

SIRIUS 4BU matching transformers with cURus approval

With one input voltage

Rated input voltage U_{1N} 3 AC 480 V, 480 V ± 5 %,
rated output voltage U_{2N} 3 AC Y400 V,

$t_a = 55^\circ\text{C}/\text{H}$



PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

Rated power P_n kVA	DT ¹⁾ Vector group Dyn5			Cu weight per PU approx. kg	Total weight per PU approx. kg	DT ¹⁾ Vector group Yyn0			Cu weight per PU approx. kg	Total weight per PU approx. kg
	Order No.	Price per PU	kg			Order No.	Price per PU	kg		
Rated input voltage U_{1N} 3 AC 480 V										
18	C 4BU43 33-2EA23-2DA0	24.500	103.000	C 4BU43 33-2EA23-2CA0	24.500	103.000				
20	C 4BU43 43-2EA23-2DA0	32.000	110.000	C 4BU43 43-2EA23-2CA0	32.000	110.000				
22.5	C 4BU43 53-2EA23-2DA0	43.000	121.000	C 4BU43 53-2EA23-2CA0	43.000	121.000				
25	D 4BU45 33-2EA23-2DA0	31.000	136.000	D 4BU45 33-2EA23-2CA0	31.000	136.000				
28	C 4BU45 43-2EA23-2DA0	43.000	146.000	D 4BU45 43-2EA23-2CA0	41.000	146.000				
31.5	D 4BU47 33-2EA23-2DA0	36.000	170.000	D 4BU47 33-2EA23-2CA0	36.000	170.000				
35.5	D 4BU47 43-2EA23-2DA0	48.000	182.000	D 4BU47 43-2EA23-2CA0	48.000	182.000				
40	D 4BU47 53-2EA23-2DA0	64.500	199.000	D 4BU47 53-2EA23-2CA0	64.500	199.000				
45	D 4BU52 33-2EA23-2DA0	58.000	194.000	D 4BU52 33-2EA23-2CA0	58.000	194.000				
50	D 4BU53 33-2EA23-2DA0	61.500	215.000	D 4BU53 33-2EA23-2CA0	61.500	215.000				
56	D 4BU53 43-2EA23-2DA0	80.000	233.000	D 4BU53 43-2EA23-2CA0	80.000	233.000				
63	D 4BU54 33-2EA23-2DA0	54.000	269.000	D 4BU54 33-2EA23-2CA0	54.000	269.000				
71	D 4BU54 43-2EA23-2DA0	71.000	286.000	D 4BU54 43-2EA23-2CA0	71.000	286.000				
Rated input voltage U_{1N} 3 AC 480 V ± 5 %										
18	D 4BU43 33-5EA23-2DA0	26.500	105.000	C 4BU43 33-5EA23-2CA0	26.500	105.000				
20	C 4BU43 43-5EA23-2DA0	35.000	113.000	C 4BU43 43-5EA23-2CA0	35.000	113.000				
22.5	C 4BU43 53-5EA23-2DA0	46.500	125.000	C 4BU43 53-5EA23-2CA0	46.500	125.000				
25	D 4BU45 33-5EA23-2DA0	33.500	139.000	D 4BU45 33-5EA23-2CA0	33.500	139.000				
28	D 4BU45 43-5EA23-2DA0	44.500	150.000	D 4BU45 43-5EA23-2CA0	44.500	150.000				
31.5	D 4BU47 33-5EA23-2DA0	39.000	173.000	D 4BU47 33-5EA23-2CA0	39.000	173.000				
35.5	D 4BU47 43-5EA23-2DA0	52.000	186.000	D 4BU47 43-5EA23-2CA0	52.000	186.000				
40	D 4BU47 53-5EA23-2DA0	70.000	206.000	D 4BU47 53-5EA23-2CA0	70.000	206.000				
45	D 4BU52 33-5EA23-2DA0	63.000	199.000	D 4BU52 33-5EA23-2CA0	63.000	199.000				
50	D 4BU53 33-5EA23-2DA0	66.500	220.000	D 4BU53 33-5EA23-2CA0	66.500	220.000				
56	D 4BU53 43-5EA23-2DA0	86.500	240.000	D 4BU53 43-5EA23-2CA0	86.500	240.000				
63	D 4BU54 33-5EA23-2DA0	58.500	274.000	D 4BU54 33-5EA23-2CA0	58.500	274.000				
71	D 4BU54 43-5EA23-2DA0	77.000	292.000	D 4BU54 43-5EA23-2CA0	77.000	292.000				

More products with higher ratings and degrees of protection
IP20 and IP23 can be found in the interactive Catalog CA 01 and
Industry Mall.

¹⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

Overview

- 4BU power transformers and 4BU power transformers with c_{IR}us approval configured as matching, auto-¹⁾ or converter transformers with selectable input and output voltages from 100 to 1000 V (line-to-line voltage U_L) Y or Δ in the performance range from 18 to 400 kVA and additional options
- DIN VDE 0532-6
- c_{IR}us²⁾ (see Selection and Ordering Data)
- $t_a = 40^\circ\text{C}/\text{H}$ and optional $t_a = 55^\circ\text{C}/\text{H}$
- Standard vector group: Dyn5, for autotransformer: Ya0



4BU

¹⁾ For autotransformers the type rating is always quoted.

²⁾ c_{IR}us approvals for voltages ≤ 600 V (excluding tappings) and degree of protection IP00.

Selection and ordering data

4BU power transformers

kVA	kVA	Rated power ¹⁾ P_n with degree of protection	DT ³⁾ IP00, IP20 ²⁾	Order No. stem	Basic price per PU	Two tappings in the range $\pm 5\%$ of the rated input or output voltage for constant power		One tapping on the input or output side for falling power; neutral point connected to terminal ⁴⁾		Additional price for standard options		Rated ambient temperature $t_a = 55^\circ\text{C}/\text{H}$	Cu weight ⁵⁾ per PU approx.	Transformer weight ⁵⁾ per PU approx.	Total weight ⁵⁾ including enclosure per PU approx.
						x	x	x	x	x	x				
18	16	B	4BU43 32			x	x	x	x	x	x	x	21.000	101.000	145.000
20	18	B	4BU43 42			x	x	x	x	x	x	x	27.000	105.000	149.000
22.5	20	B	4BU43 52			x	x	x	x	x	x	x	36.000	115.000	159.000
25	22.5	C	4BU45 32			x	x	x	x	x	x	x	26.000	131.000	175.000
28	25	C	4BU45 42			x	x	x	x	x	x	x	34.000	139.000	183.000
31.5	28	C	4BU47 32			x	x	x	x	x	x	x	30.500	166.000	210.000
35.5	32	C	4BU47 42			x	x	x	x	x	x	x	40.000	174.000	218.000
40	36	C	4BU47 52			x	x	x	x	x	x	x	52.500	188.000	232.000
45	40.5	D	4BU52 32			x	x	x	x	x	x	x	49.000	185.000	236.000
50	45	D	4BU53 32			x	x	x	x	x	x	x	52.000	205.000	256.000
56	50	D	4BU53 42			x	x	x	x	x	x	x	67.000	219.000	270.000
63	56.5	D	4BU54 32			x	x	x	x	x	x	x	46.500	262.000	323.000
71	63.5	D	4BU54 42			x	x	x	x	x	x	x	60.500	276.000	337.000
80	72	D	4BU55 32			x	x	x	x	x	x	x	65.000	306.000	367.000
91	81.5	D	4BU56 32			x	x	x	x	x	x	x	68.000	343.000	404.000
100	90	D	4BU56 42			x	x	x	x	x	x	x	84.500	359.000	420.000
112	100.5	D	4BU58 32			x	x	x	x	x	x	x	60.500	425.000	530.000
125	112.5	D	4BU58 42			x	x	x	x	x	x	x	76.500	440.000	545.000
140	126	D	4BU58 52			x	x	x	x	x	x	x	97.500	462.000	567.000
160	144	D	4BU59 32			x	x	x	x	x	x	x	104.000	516.000	621.000
180	162	D	4BU60 32			x	x	x	x	x	x	x	106.000	579.000	684.000
200	180	D	4BU62 32			x	x	x	x	x	x	x	112.000	678.000	813.000
225	202.5	D	4BU62 42			x	x	x	x	x	x	x	146.000	711.000	846.000
250	225	D	4BU62 52			x	x	x	x	x	x	x	185.000	751.000	886.000
280	252	D	4BU63 32			x	x	x	x	x	x	x	187.000	834.000	969.000
315	283.5	D	4BU63 42			x	x	x	x	x	x	x	244.000	891.000	1026.000
355	319.5	D	4BU64 32			x	x	x	x	x	x	x	251.000	997.000	1132.000
400	360	D	4BU65 32			x	x	x	x	x	x	x	280.000	1128.000	1263.000

For other options see page 10/84.

Before ordering, please ask for the complete Order No. (see page 10/4 for the inquiry/order address).

x = Additional price

¹⁾ For autotransformers the type rating is always quoted.

²⁾ No power reduction for ambient temperatures $\leq 40^\circ\text{C}$.

³⁾ The delivery time class depends on the quantity, see page 10/4 "Options".

⁴⁾ With three-phase transformers, an additional price is charged for neutral point connected to terminal $1/3$.

⁵⁾ All weights are based on $t_a = 40^\circ\text{C}/\text{H}$, at $t_a = 55^\circ\text{C}/\text{H}$ other weights apply. The actual copper weight is listed in the price notice or the quotation; the transformer weight and total weight is reduced/increased by the difference.

Three-Phase Transformers

Power Transformers

SIRIUS 4BU transformers with selectable voltages

4BU power transformers with c⁺us approval

c⁺us¹⁾

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 104

kVA	kVA	Rated power ²⁾ P_n with degree of protection	DT ⁴⁾ Order No. stem	Basic price per PU	Two tappings in the range ±5 % of the rated input or output voltage for constant power		One tapping on the input or output side for failing power; neutral point connected to terminal ⁵⁾		Additional price for standard options		Rated ambient temperature $t_a = 55^\circ\text{C}/\text{H}$	Cu weight ⁶⁾ per PU approx.	Trans- former weight ⁶⁾ per PU approx.	Total weight ⁶⁾ including enclosure per PU approx.
					IP00, IP20 ³⁾	IP23	One additional separate winding on the input or output side	Shield winding (connection routed to terminal) Not possible for autotransformers.	Installation in protective enclosures IP20, IP23					
18	16	B	4BU43 33		x	x	x	x	x	x	x	21.500	102.000	146.000
20	18	B	4BU43 43		x	x	x	x	x	x	x	27.500	109.000	153.000
22.5	20	B	4BU43 53		x	x	x	x	x	x	x	37.000	118.000	162.000
25	22.5	C	4BU45 33		x	x	x	x	x	x	x	27.000	135.000	179.000
28	25	C	4BU45 43		x	x	x	x	x	x	x	35.000	143.000	187.000
31.5	28	C	4BU47 33		x	x	x	x	x	x	x	31.500	169.000	213.000
35.5	32	C	4BU47 43		x	x	x	x	x	x	x	41.000	179.000	223.000
40	36	C	4BU47 53		x	x	x	x	x	x	x	55.000	194.000	238.000
45	40.5	D	4BU52 33		x	x	x	x	x	x	x	50.500	191.000	242.000
50	45	D	4BU53 33		x	x	x	x	x	x	x	53.500	212.000	263.000
56	50	D	4BU53 43		x	x	x	x	x	x	x	69.500	229.000	280.000
63	56.5	D	4BU54 33		x	x	x	x	x	x	x	48.000	267.000	328.000
71	63.5	D	4BU54 43		x	x	x	x	x	x	x	62.000	282.000	343.000
80	72	D	4BU55 33		x	x	x	x	x	x	x	66.500	314.000	375.000
91	81.5	D	4BU56 33		x	x	x	x	x	x	x	70.500	353.000	414.000
100	90	D	4BU56 43		x	x	x	x	x	x	x	87.000	370.000	431.000
112	100.5	D	4BU58 33		x	x	x	x	x	x	x	61.500	430.000	535.000
125	112.5	D	4BU58 43		x	x	x	x	x	x	x	77.500	449.000	554.000
140	126	D	4BU58 53		x	x	x	x	x	x	x	99.000	470.000	575.000
160	144	D	4BU59 33		x	x	x	x	x	x	x	106.000	527.000	632.000
180	162	D	4BU60 33		x	x	x	x	x	x	x	108.000	590.000	695.000
200	180	D	4BU62 33		x	x	x	x	x	x	x	117.000	684.000	819.000
225	202.5	D	4BU62 43		x	x	x	x	x	x	x	152.000	732.000	867.000
250	225	D	4BU62 53		x	x	x	x	x	x	x	192.000	775.000	910.000
280	252	D	4BU63 33		x	x	x	x	x	x	x	209.000	872.000	1007.000
315	283.5	D	4BU63 43		x	x	x	x	x	x	x	253.000	920.000	1055.000
355	319.5	D	4BU64 33		x	x	x	x	x	x	x	261.000	1031.000	1166.000
400	360	D	4BU65 33		x	x	x	x	x	x	x	291.000	1154.000	1289.000

Before ordering, please ask for the complete Order No. (see page 10/4 for the inquiry/order address).

x = Additional price

1) c⁺us approvals for voltages ≤ 600 V (excluding tappings) and degree of protection IP00.

2) For autotransformers the type rating is always quoted.

3) No power reduction for ambient temperatures ≤ 40 °C.

4) The delivery time class depends on the quantity, see page 10/4 "Options".

5) With three-phase transformers, an additional price is charged for neutral point connected to terminal $\frac{1}{3}$.

6) All weights are based on $t_a = 40^\circ\text{C}/\text{H}$, at $t_a = 55^\circ\text{C}/\text{H}$ other weights apply. The actual copper weight is listed in the price notice or the quotation; the transformer weight and total weight is reduced/increased by the difference.

Options

- Thermistor transformer protection for warning and/or disconnection:
The 4BU power transformers can be supplied with thermistor transformer protection for warning and/or disconnection, see note on Technical Information on page 10/1.

PG = 104

For transformer Type	Warning	Disconnection	Additional price for Warning and disconnection
4BU	x	x	x

x = Additional price

- Rating plates made of metal:
One separately packed rating plate made of metal can be supplied per 4BU transformer.

Additional price on request.

- Deviations from the standard vector groups Dyn5 or Ya0 for autotransformers must be specified when ordering.

Further versions with higher outputs up to 1250 kVA are available on request.

Three-Phase Transformers

Voltage Regulators

4FL voltage regulators, transformer type

Overview



4FL

- According to DIN VDE 0552
- Degree of protection IP21
- $t_a = 40^\circ\text{C}/\text{E}$

Application

The 4FL transformer-type voltage regulators are used as voltage stabilizers on supply systems with varying voltages. On the output of the voltage regulator, a constant voltage is available for the load which creates a constant machine performance which is immune to variations in the supply system.

Selection and ordering data

Rated voltage: PRI = SEC: 400 V, 50 to 60 Hz

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 114

Settling time s	Rated power P_n kVA	DT	For symmetrical mains voltage		Cu weight per PU approx. kg	Total weight per PU approx. kg	DT	For asymmetrical mains voltage		Cu weight per PU approx. kg	Total weight per PU approx. kg
			Order No.	Price per PU				Order No.	Price per PU		
Control range for input voltage: +10 to -10 %											
1.5	6.8	X	4FL23 01-3CN		3.900	80.000	X	4FL23 02-3CN		3.900	80.000
1.5	11	D	4FL28 01-3CN		4.800	80.000	X	4FL28 02-3CN		4.800	80.000
1.5	17	X	4FL33 01-3CN		8.400	90.000	X	4FL33 02-3CN		8.400	90.000
1.5	25	X	4FL38 01-3CN		10.500	110.000	X	4FL38 02-3CN		10.500	110.000
1.5	34	X	4FL43 01-3CN		15.300	150.000	X	4FL43 02-3CN		15.300	150.000
1.5	51	D	4FL46 01-3CN		25.500	210.000	X	4FL46 02-3CN		25.500	210.000
1.5	68	X	4FL49 01-3CN		32.400	240.000	X	4FL49 02-3CN		32.400	240.000
2.5	95	X	4FL51 01-3CN		47.200	320.000	X	4FL51 02-3CN		47.200	320.000
2.5	190	X	4FL53 01-3CN		80.800	400.000	X	4FL53 02-3CN		80.800	400.000
Control range for input voltage: +15 to -15 %											
1.5	4.2	X	4FL18 11-3CN		3.900	80.000	X	4FL18 12-3CN		3.900	80.000
1.5	7	X	4FL24 11-3CN		4.800	80.000	X	4FL24 12-3CN		4.800	80.000
1.5	11	X	4FL28 11-3CN		8.400	90.000	D	4FL28 12-3CN		8.400	90.000
1.5	16	X	4FL32 11-3CN		10.500	110.000	X	4FL32 12-3CN		10.500	110.000
1.5	21	X	4FL35 11-3CN		15.300	150.000	X	4FL35 12-3CN		15.300	150.000
1.5	32	X	4FL42 11-3CN		25.500	210.000	X	4FL42 12-3CN		25.500	210.000
1.5	42	X	4FL45 11-3CN		32.400	240.000	X	4FL45 12-3CN		32.400	240.000
2.5	60	X	4FL47 11-3CN		47.200	320.000	D	4FL47 12-3CN		47.200	320.000
2.5	110	D	4FL52 11-3CN		80.800	400.000	D	4FL52 12-3CN		80.800	400.000
Control range for input voltage: +20 to -20 %											
1.5	3	X	4FL15 21-3CN		3.900	80.000	X	4FL15 22-3CN		3.900	80.000
1.5	4.8	D	4FL19 21-3CN		4.800	80.000	X	4FL19 22-3CN		4.800	80.000
1.5	7.5	X	4FL25 21-3CN		8.400	90.000	X	4FL25 22-3CN		8.400	90.000
1.5	11	X	4FL28 21-3CN		10.500	110.000	X	4FL28 22-3CN		10.500	110.000
1.5	15	X	4FL31 21-3CN		15.300	150.000	X	4FL31 22-3CN		15.300	150.000
1.5	22.5	X	4FL37 21-3CN		25.500	210.000	D	4FL37 22-3CN		25.500	210.000
1.5	30	X	4FL40 21-3CN		32.400	240.000	X	4FL40 22-3CN		32.400	240.000
2.5	42	X	4FL45 21-3CN		48.900	320.000	X	4FL45 22-3CN		51.500	320.000
2.5	84	X	4FL50 21-3CN		82.600	400.000	X	4FL50 22-3CN		84.600	400.000

Further versions with higher outputs up to 2000 kVA, voltages up to 1 kVA and control ranges up to +/- 30 % are available on request.

* You can order this quantity or a multiple thereof.

Three-Phase Transformers

Notes