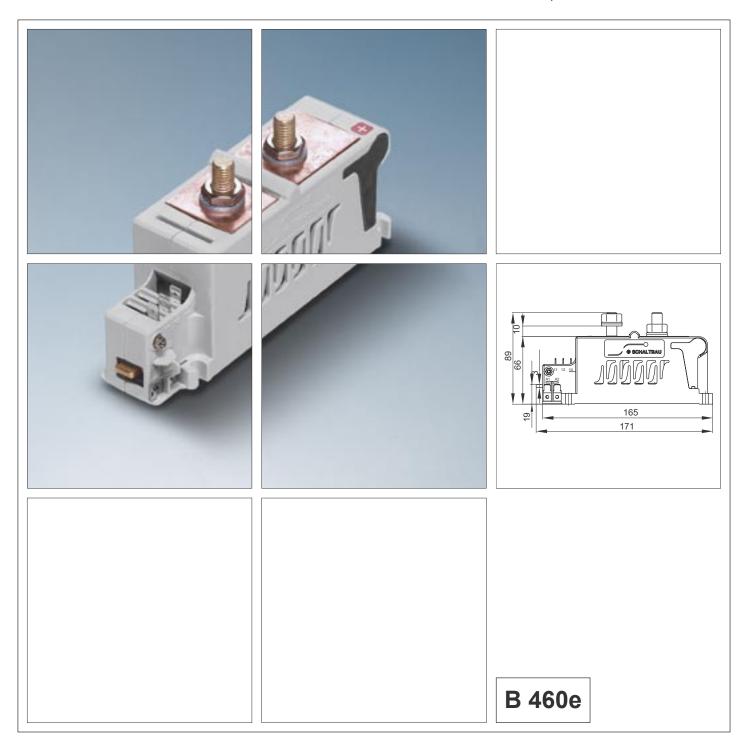


# Single-pole DC NO contactors for UPS applications C400, C600 Series





## DC contactors for UPS applications C400, C600 Series

High-quality single-pole DC contactors of high current carrying capacity for uninterruptible use in battery-powered emergency power supply systems (UPS) and as deep discharge protection for batteries.

### Features and applications:

- Single-pole NO contactor for 400 A DC and 600 A DC respectively used as main contactor in emergency installations (UPS) and as deep discharge protection for batteries.
- Compact design
- Easy to mount
- Cadmium-free
- Nominal coil power < 15 W</li>

**Ordering code** 

 Standard make with one auxiliary contact available



Series		C400	C600
Conventional thermal current I <sub>th</sub>		400 A DC	600 A DC
Rated insulation voltage U <sub>i</sub> at PD 3		125 V DC	125 V DC
Maximum breaking capacity		96 V / 650 A / restive (50 operating cycles, max.)	96 V / 1000 A / restive (50 operating cycles, max.)
Maximum making capacity		400 A / 96 V / restive	600 A / 96 V / restive
Coil voltage		24 / 48 / 60 / other voltages on request	
Coil suppression		Varistor	
Coil tolerance		+25% / -12.5%	
Auxiliary contact		1 NO + NC S870*, 10 A max. / 230 V max.	
Endurance • electrical • mechanical		150 operating cycles at 60 V / 400 A / restive > 10.000 operating cycles	150 operating cycles at 60 V / 600 A / restive > 10.000 operating cycles
Mounting position		any, except: Do not mount upside-down	
Terminal	Main contact Auxiliary contact Coil	Bolt M10 (maximum tightening torque 10 Nm) Flat quick-connect 6.3x0.8 mm (DIN 46244) Flat quick-connect 6.3x0.8 mm (DIN 46244)	
Protection degree (IEC 60529)		IP10, terminals IP00	
Temperature range		-40°C +60°C	
Dimensions (L x W x H)		171 x 45 x 89 mm	
Weight		1.1 kg	1.2 kg
* Refer to catalogue	e D70e		

### Device outline, Circuit diagram

C400 L0/P1- 48FV-E1
Series C400, C600
Variant L0 monostable
Polarity P1 +pole on side of coil terminal
Coil voltage 24 / 48 / 60 V DC
Coil tolerance F +25%/-12.5%
Coil suppression V Varistor
Aux. contact, type E S870 W1D1 a (silver, standard) F S870 W1D4 a 076 (gold)
Aux. contact, # of 1 one auxiliary contact (standard)
Preferred types:

#### Preferred types:

C400 Series	C600 Series
C400 L0/P1- 24FV-F1	C600 L0/P1- 24FV-F1
C400 L0/P1- 48FV-E1	C600 L0/P1- 24FV-E1
C400 L0/P1- 48FV-F1	C600 L0/P1- 48FV-F1
C400 L0/P1- 48FV-E1	C600 L0/P1- 48FV-E1
	C600 L0/P1- 60FV-F1

#### **Special designs**

If you need a special design do not hesitate to contact us. You might find your required contactor among our special designs. If not, we also supply designs to customer requirements. Please note that in this case minimum order quantities apply.

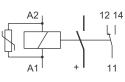
Schaltbau GmbH Klausenburger Str. 6 81677 Munich Germany B 1777/0402/1.0 Printed in Germany

### Ō SCHALTBAU 89 99 165 42 44 25 38 37 45 6 5.5 133 171

**Circuit diagram:** 

**Device outline:** 

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Dimensions in mm

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We reserve the right to make technical changes without prior notice. Issued February 2004

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