

C130

Combination contactors
for battery voltages

DC



C130/180, C130/250 - Combination contactors for battery voltages

A combination of a DC line contactor and a manual cut-off switch, fuses and an optional horn in an all-in-one device

Schaltbau's competitively-priced all-in-one device is a combination of line contactor, main fuse and manual cut-off switch in which additional devices as well as an optional horn can be integrated. Typical applications are battery powered warehouse machines, such as fork lift and reach trucks as well as walk-behind trucks and stackers.

- Compact design
- Emergency stop switch with rugged snap mechanism
- Battery contactor with main fuse, optional
- Magnetic blowout
- Double-break contacts, cadmium-free
- Optional horn and fuses
- Standard EN 1175

Ordering code

C130/180 24RX-V1

Series, contact configuration

C130 1 pole NO with manual cut-off

Conv. thermal current

180 $I_{th} = 180$ A

250 $I_{th} = 250$ A

Coil voltage

24 24 V DC

48 48 V DC

Tolerance

R -30 ... +10 %

Auxiliary contacts

1 aux. contact, C130/180 **V1**

2 aux. contacts, C130/250 **V2**

Coil suppression

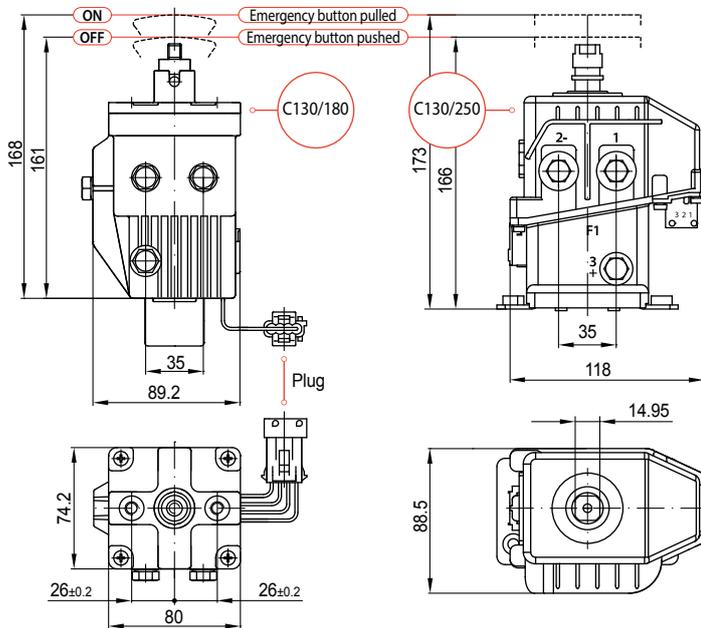
Suppressor diode **T**

w/o **X**

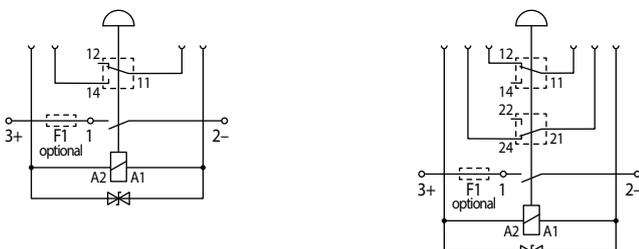
Special variants: If you need a special variant of the contactor, please do not hesitate to contact us. Maybe the type of contactor you are looking for is among our many special designs. If not, we can also supply customized designs. In this case, however, minimum order quantities apply.

Dimension diagrams, circuit diagrams

Dimension diagrams



Circuit diagrams



Specifications

Series	C130/180	C130/250
Main contacts, configuration	1 NO	1 NO
Type of voltage	DC	DC
Hauptkontakte		
Nominal voltage	U_n 24 V	80 V
Rated insulation voltage	U_i 150 V	150 V
Rated impulse withstand voltage	U_{imp} 2.5 kV	2.5 kV
Pollution degree	PD3	PD3
Overvoltage category	OV3	OV3
Conventional free air thermal current	I_{th} 180 A	250 A
with fuse, optional	I_{th} 140 A	120 A
Rated short-time withstand current	I_{cw} 1,500 A @ t < 100 ms	1,500 A @ t < 100 ms
Auxiliary contacts		
Number of, configuration	1x NC *	1x NC * 1x NO **
Terminals	Connector, TE AMP Junior-Timer	
Magnetic drive (monostable)		
Coil voltage	24 / 48 V	
Operating range	16.8 ... 26.4 V DC / 33.6 ... 52.8 V DC	
Vibration	EN 60068-2-6	5g
Shock	EN 60068-2-9	20g / 10 ms
Mechanical endurance	> 3 million operations	
Mounting position	Upright	
Temperatures	-30 °C ... +50 °C	
Weight	depending on configuration	approx. 1.2 kg approx. 1.5 kg

* Aux. switch for position emergency button

** Aux. switch for position main contact