

**Connect · Contact · Control** 

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:

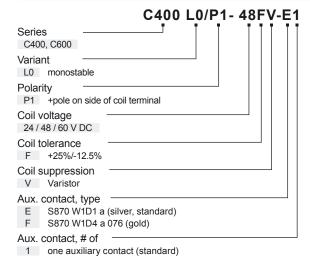
- Single-pole NO contactor for 400 A DC and 600 A DC resp. used as main contactor in emergency installations (UPS) and as deep discharge protection for batteries.
- Compact design
- Easy to mount
- Cadmium-free
- Nominal coil power < 15 W</li>
- Standard make with one auxiliary contact available



Series		C400	C600
Conventiona	al thermal current I <sub>th</sub>	400 A DC	600 A DC
Rated insulation voltage U <sub>i</sub>		125 V DC	125 V DC
Pollution degree		3	3
Maximum breaking capacity		96 V / 650 A / resistive (50 operating cycles, max.)	96 V / 1000 A / resistive (50 operating cycles, max.)
Maximum making capacity		400 A / 96 V / resistive	600 A / 96 V / resistive
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 / resistive > 10.000 operating cycles	150 operating cycles at 60 V / 600 A / resistive > 10.000 operating cycles
Mounting position		any, except: Do not mount upside-down	
Terminal	Main contact Auxiliary contact Coil	Flat quick-connect 6.3	htening torque 10 Nm) x0.8 mm (DIN 46244) x0.8 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 D70e			

# **Ordering code**

# Device outline, Circuit diagram



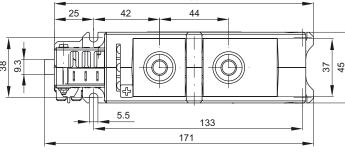
### Preferred types:

ı	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

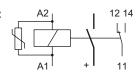
If you need a special design do not hesitate to contact us. You might find your required contactor among our **special designs**. If not, we also supply designs **to customer requirements**. Please note that in this case minimum order quantities apply.

# 8 9 SCHALTBAU 165 25 42 44



Circuit diagram:

**Device outline:** 



Dimensions in mm