

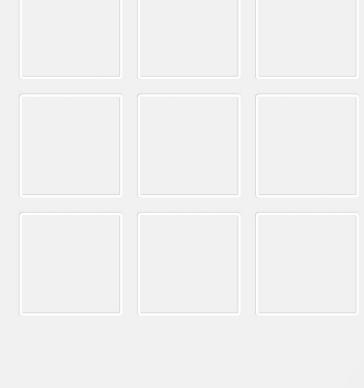


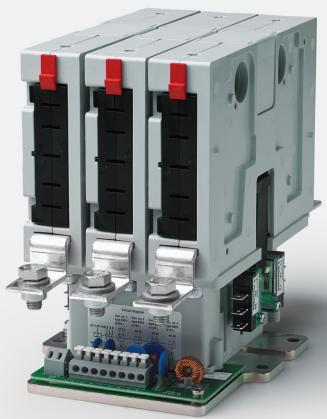
# **Contactors**

## **CF** series

Multipole AC power contactors for 300 A or 600 A with NO or NC switching chambers

Flyer C60.en









### **CF – Multipole AC power contactors**

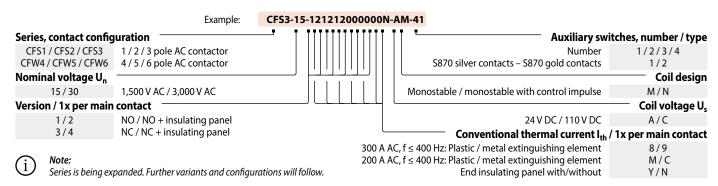
Schaltbau's new, highly modular CF series begins with a compact 3-pole AC power contactor for loads up to 600 A and 3000 V for inverter-fed alternating current drives with higher frequencies. One special feature are the newly developed switching chambers. These can be universally configured as NO, NC or in combination as a change-over.

An efficient electronic economy circuit reduces power consumption as well as heat loss and saves costs.

CF contactors can be adapted in many ways. The high variance makes the devices interesting for use in many different applications. The innovative switchgear is equally ideal for new projects and modernisation. They can successfully replace cam contactors that have proven themselves over many years. DC variants will follow.

- Compact dimensions high performance range: 3,000 Volt AC / 3x 600 Ampere, frequencies up to 400 Hertz
- Innovative application-dependent arc chamber design configurable as NO, NC or changeover contact
- High thermal continuous current 300 amps or 600 amps through parallel connection of two main contacts each and a high rated short-time withstand current up to 4,000 amps
- 4 auxiliary switches for diagnosis and switching status monitoring
  - Low energy consumption and low heating thanks to sophisticated coil saving circuit

### Ordering code



### CFS3 Dimension diagram, circuit diagram

# Arc chute 4x Aux. switches S870 Main terminal M8 Torque 10 Nm max. 4x Mounting borings Ø6.3 mm 1+ A1+ 2 4 6 12 14 22 24 32 34 42 44 Live parts and earth A = 48 mm min. B = 0 mm Dimensions in mm Dimensions in mm

### **Specifications**

Series		CFxx-15	CFxx-30
Type of voltage		AC (f < 400 Hz)	
Main contacts  Number of / NO / NC  Nominal voltage U <sub>n</sub> Rated operating voltage U <sub>e</sub> Rated insulation voltage U <sub>Nm</sub> Rated imp. withst. voltage U <sub>Ni</sub> /U <sub>imp</sub> Pollution degree  Overvoltage category		1 6 / 6 1,500 V 1,500 V 3,000 V @ I 3,600 V @ I 25 P PD OV	3,000 V 3,000 V PD3, OV3 PD3, OV2 V V 3
Conventional thermal current I <sub>th</sub> Component category Rated short-time withstand current I <sub>cw</sub>		1 3 Pole: 200 A / 300 A A2 4 kA / T < 100 ms	
Aux. contacts Numb	er, configuration y (EN 60947-5-1) A	4x max. Snap-act C-15: 230 VAC/1.5 A;	ion switch \$870 DC-13: 60 VDC/0.5 A
Magnetic drive	Coil voltage U <sub>s</sub> Coil tolerance	24 / 110 0.7 1.2	
Vibration / Shock Mechanical endurance Mounting position	IEC 61373	Category 7 1 million oper horizontal (do not mount)	ating cycles , vertical
Temperatures Weight		-40° C approx	+70° C