



CCF-20-440, Power capacitor with contactor and fuses

Code: R3SA41.

- > Fuses (A): 50
- > Cable section (mm2): 10
- > In (A): 26
- > kvar (400 V): 17
- > kvar (440 V): 20
- > Cut off power: 120 kA
- > Use voltage (V): 440

Description

The fixed capacitors of the CCF series are single-step units that have been designed for Power factor correction procedures under constant load.

Application

Its application is mainly focused on the compensation of motors, transformers and installations under constant load, providing a signal that connects to the capacitor with a contactor switching operation.







CSB Capacitor with contactor and fuses

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Specifications

Discharge resistance	75 V / 3 min			
Surge	10 % 8 h over 24 h 15 % up to 15 min over 24 hours 20 % up to 5 min over 24 hours 30 % up to 1 min over 24 hours			
Manoeuvre voltage	Contactors: 230 V			
Tolerance C	± 10 % sobre la capidad			
Voltage	400 V			
Insulation voltage, circuit	3 kV			
Mechanical characteristics				
Size (mm) width x height x depth	360 x 814 x 196 (mm)			
Envelope	RAL 7035 Grey / RAL 3005 Garnet			
Thermal management	Natural			
Fastening	Vertical			
Weight (kg)	14			
Environmental characteristics				
Protection class	IP 21			
Relative humidity (without condensation)	80%			
Working temperature	T° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 50 °C, minimur -25 °C			
Standards				
Certifications	VDE 560			
Electrical safety, Maximum height (m)	2000			
Standards	IEC 60831-1, IEC 70/7, UNE-EN 20827, UNE-EN 20010, BS 1650			
Current measurement circuit				
Permanent overload	1,3 In			
Features / performance				
Components	"CSB capacitor Contactors with pre-insertion block and fast discharge resistor Protection at header via high cut-off power fuses (APR)"			

CCF

CSB capacitor with contactor and fuses, 50 $\mbox{\rm Hz}$

440 V / 50 Hz







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CODE	TYPE	kvar (400 V)	kvar (440 V)	Cable section (mm2)
R3SA21.	CCF-12,5-440	10	12,5	6
R3SA31.	CCF-15-440	12,5	15	10
R3SA41.	CCF-20-440	17	20	10
R3SA51.	CCF-25-440	21	25	10
R3SA61.	CCF-30-440	25	30	16
R3SA81.	CCF-37,5-440	31	37,5	25
R3SA91.	CCF-50-440	42	50	35
R3SAA1.	CCF-60-440	50	60	50
R3SAB1.	CCF-75-440	63	75	50
R3SAD1.	CCF-100-440	80	100	70

Cable cross-section for installations with Un= 400 V. The installation company must ensure compliance with the low voltage directive at all times, in accordance with the particularities of each installation and type of cable







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Dimensions



