

CCF-20-440

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.

Creation date: 21/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.



CCF-20-440

CSB Capacitor with contactor and fuses

Code: R3SA41.

Specifications

Electrical characteristics

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	Tª class D: Daily average: 45 °C, annual average: 35 °C, maximum: 50 °C, minimum: -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 Hz

CODE	TYPE	kvar (400 V)	kvar (440 V)	Cable section (mm2)
440 V / 50 Hz				



CCF-20-440

CSB Capacitor with contactor and fuses

Code: R3SA41.

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

Creation date: 21/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

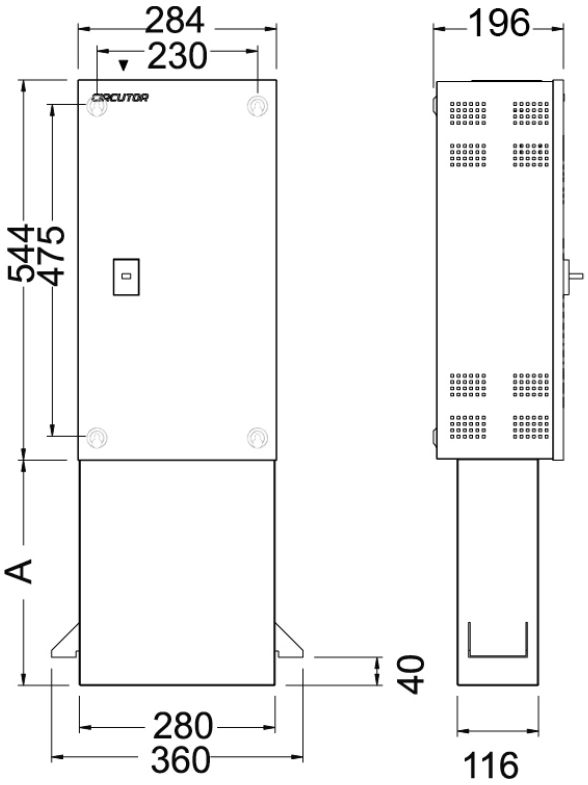


CCF-20-440

CSB Capacitor with contactor and fuses

Code: R3SA41.

Dimensions



	A
ACF-40/CCF-40	324
ACF-60/CCF-60	549
ACF-80/CCF-80	699

Creation date: 21/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.