

# ACF

CS Capacitor with contactor and fuses



## Description

The fixed capacitors of the **ACF** 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.

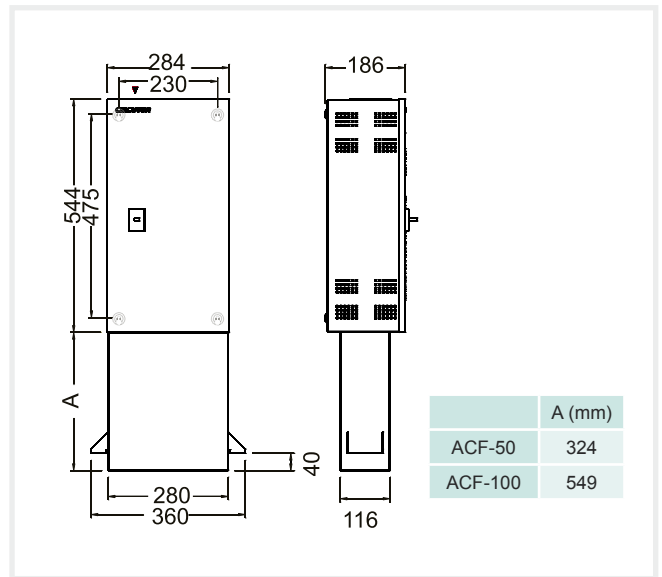
## Features

Features		
Operating voltage		230, 400 V (for other voltages, please ask)
Support voltage (400 V)		440 V
Capacity tolerance		± 10%
Unit composed of		<ul style="list-style-type: none"> <li>• CS capacitor</li> <li>• Contactors with pre-insertion block and quick discharge resistor</li> <li>• Header protection with high rupture power (HRP)</li> </ul>
Insulation level		3 / 15 kV
Discharge resistance		75 V / 3 minutes
Overload		1.3 times the rated current permanently
Overvoltage		<ul style="list-style-type: none"> <li>• 10% 8 over 24 hours</li> <li>• 15% up to 15 minutes over 24 hours</li> <li>• 20% up to 5 minutes over 24 hours</li> <li>• 30% up to 1 minutes over 24 hours</li> </ul>
Contactor operating voltage		230 V
Ambient conditions		
Class D temperature	Daily mean	45 °C
	Annual mean	35 °C
	Maximum	50 °C
	Minimum	-25 °C
Humidity		80% RH
Altitude		2,000 m
Construction features		
Degree of protection		IP 21
Colour		RAL 7035 Grey RAL 3005 Maroon
Assembly conditions		
Type of assembly		Vertical
Ventilation		Natural
Standards		
CEI 60831-1, CEI 70/7, UNE 20827, UNE 20010, BS 1650, VDE 560		

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## Dimensions



## References

### 230 V

kvar	Cut off power	(A)	Fuses	Cable section (mm <sup>2</sup> )	Weight (kg)	Dimensions (mm) width x height x depth	Type	Code
20	120 kA	50	125	25	17	360 x 868 x 140	ACF-20-230	R3S141
25	120 kA	63	125	35	21	360 x 1093 x 140	ACF-25-230	R3S151
30	120 kA	75	160	50	22	360 x 1093 x 140	ACF-30-230	R3S161
40	120 kA	100	160	70	27	360 x 1093 x 140	ACF-40-230	R3S181

### 440 V

kvar	Cut off power	(A)	Fuses	Cable section (mm <sup>2</sup> )	Weight (kg)	Dimensions (mm) width x height x depth	Type	Code	
12,5	10	120 kA	16	35	6	12	360 x 868 x 140	ACF-12.5-440	R3S421
15	12,5	120 kA	20	35	10	13	360 x 868 x 140	ACF-15-440	R3S431
20	17	120 kA	26	50	10	14	360 x 868 x 140	ACF-20-440	R3S441
25	21	120 kA	33	63	10	15	360 x 868 x 140	ACF-25-440	R3S451
30	25	120 kA	39	80	16	16	360 x 868 x 140	ACF-30-440	R3S461
37,5	31	120 kA	49	80	25	17	360 x 868 x 140	ACF-37.5-440	R3S481
50	42	120 kA	66	125	35	21	360 x 868 x 140	ACF-50-440	R3S491
60	50	120 kA	79	160	50	22	360 x 1093 x 140	ACF-60-440	R3S4A1
75	63	120 kA	99	160	70	24	360 x 1093 x 140	ACF-75-440	R3S4B1
100	80	120 kA	131	160	70	29	360 x 1093 x 140	ACF-100-440	R3S4D1