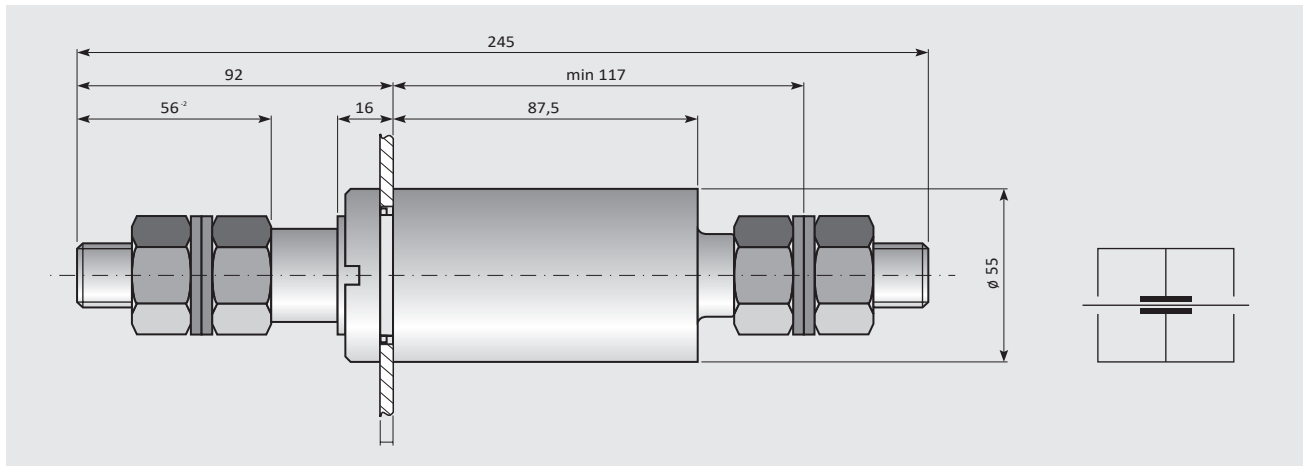


# Feedthrough Capacitor up to 500A

Drawing and Circuit diagram (in mm)



## Characteristics

Feedthrough Capacitors which are connected to the housing only offer protection against common-mode interference which is the result of potential differences in the grounding grid.

The attenuation is generally not recorded because it is linear.

The value of critical frequency  $f_g$  has to be determined where the attenuation starts:

$$f_g = 1/(2 \cdot \pi \cdot R \cdot C)$$

In general the value for the resistor  $R$  lies between 1 and 200  $\Omega$ . In practice the average of 50  $\Omega$  has proved to be the most reliable. After  $f_g$  the attenuation rises by 20 dB/decade.

Typical sample applications are power supply of HF-Generators or screened cabinets.

## Technical Details

Mounting thread	M42 x 1.5
Fixing Torque	58 Nm
Climatic category	acc. DIN IEC 68 Part 1: 40 / 085 / 56 (-40 °C / +85 °C / 56 days humidity test)
Case material	brass 1.5mm
Connection	thread bolt M20
Flammability	V-0 acc. IEC 950
Weight	approx. 1.1kg
Fixing hole	(42.2+0.2) mm
Fixing thickness	1...4 mm
Design	dry, self-healing
Capacitance tolerance	± 20%

## Models and Ordering Data

Feedthrough Capacitor up to 500A according EN 132400					
Article No.	Rated current	Rated voltage		Capacitance	Test voltage
A14x38-21	500 A	750 V DC	600 V AC 50/60Hz	250 nF	3950 V DC, 2s
A14x38-22	500 A	750 V DC	600 V AC 50/60Hz	500 nF	3950 V DC, 2s
A14x38-23	500 A	600 V DC	440 V AC 50/60Hz	1 F	2500 V DC, 2s
A14x38-24	500 A	600 V DC	440 V AC 50/60Hz	2 F	2500 V DC, 2s
A14x38-25	500 A	400 V DC	250 V AC 50/60Hz	4,7 F	1400 V DC, 2s

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