

Product datasheet

Specifications



heavy duty PowerLogic PFC Capacitor, 41.7/50 kvar - 400 V - 50/60Hz

BLRCH417A500B40

Main

Range Of Product	PowerLogic
Product Or Component Type	Heavy duty capacitor
Network Frequency	50/60 Hz
Series Name	HDuty
Network Harmonic Content	<= 20 %
Electrical Parameters	37.6 kvar 380 V 50 Hz 45.1 kvar 380 V 60 Hz 41.7 kvar 400 V 50 Hz 50 kvar 400 V 60 Hz 44.9 kvar 415 V 50 Hz 53.8 kvar 415 V 60 Hz
Maximum Permissible Voltage	1.1 x Un (8 hours over 24 hours)
Continuous Overcurrent Capacity	1.8 x In
Rated Voltage	380...415 V AC 50/60 Hz

Complementary

Dielectric Losses	< 0.2 W/kvar
Power Losses	< 0.5 W/kVAr
Capacitance Tolerance	- 5 % to 10 %
Voltage Test	2.15 x Un AC between terminals for 10 s <= 660 V - 3 kV AC between terminal and container for 10 s >= 660 V - 6 kV AC between terminal and container for 10 s
Inrush Current	250 x In
Maximum Switching Operation Per Year	7000
Service Life In Hours	130000 h
Dielectric Material	Metallized polypropylene film with Zn/Al alloy, special resistivity & profile, special edge (wave cut)
Impregnation Material	Non-PCB dry PUR resin Biodegradable
Type Of Installation	Indoor installation
Connections - Terminals	ClampTite terminal
Mounting Mode	Upright/horizontal
Diameter	136 mm
Height	321 mm
Net Weight	5.3 kg

Environment

Standards	IEC 60831-1 IEC 60831-2
Ip Degree Of Protection	IP00
Operating Altitude	2000 m
Temperature Class	D
Ambient Air Temperature For Operation	-25...55 °C
Relative Humidity	95 %

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	19.5 cm
Package 1 Width	19.5 cm
Package 1 Length	40 cm
Package 1 Weight	5.728 kg
Unit Type Of Package 2	S06
Number Of Units In Package 2	12
Package 2 Height	74 cm
Package 2 Width	60 cm
Package 2 Length	80 cm
Package 2 Weight	68.736 kg
Unit Type Of Package 3	S06
Number Of Units In Package 3	12
Package 3 Height	74 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	68.736 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
