

Product data sheet

Specifications



heavy duty PowerLogic PFC Capacitor, 40/48 kvar - 525 V - 50/60Hz

BLRCH400A480B52

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	40 kvar 525 V 50 Hz 48 kvar 525 V 60 Hz
Maximum permissible voltage	1.1 x Un (8 hours over 24 hours)
Continuous overcurrent capacity	1.8 x In
Rated voltage	525 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	Stud terminals
Mounting mode	Upright/horizontal
Diameter	116 mm
Height	321 mm
Product weight	4.1 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	39 cm
Package 1 Weight	4.13 kg
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	13.156 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	49.56 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty

18 months

Recommended replacement(s)