

Product data sheet

Characteristics

BLRCH250A300B40

heavy duty PowerLogic PFC Capacitor, 25/30 kvar - 400 V - 50/60Hz



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	22.6 Kvar 380 V 50 Hz 27.1 Kvar 380 V 60 Hz 25 Kvar 400 V 50 Hz 30 Kvar 400 V 60 Hz 26.9 Kvar 415 V 50 Hz 32.3 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	116 mm
Height	242 mm
Net weight	2.5 kg

Environment

Standards	IEC 60831-1 IEC 60831-2
IP degree of protection	IP20
Operating altitude	2000 m
Temperature class	D
Ambient air temperature for operation	-25...55 °C
Relative humidity	95 %

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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.5 cm
Package 1 Width	19.5 cm
Package 1 Length	31 cm
Package 1 Weight	3.004 kg
Unit Type of Package 2	S06
Number of Units in Package 2	15
Package 2 Height	74 cm
Package 2 Width	60 cm
Package 2 Length	80 cm
Package 2 Weight	45.06 kg
Unit Type of Package 3	S06
Number of Units in Package 3	15
Package 3 Height	74 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	45.06 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
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
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

Contractual warranty

Warranty	18 months
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