

Product data sheet

Specifications



heavy duty PowerLogic PFC Capacitor, 7.5/9 kvar - 400 V - 50/60Hz

BLRCH075A090B40

Main

Range of product	PowerLogic
Product or component type	Heavy duty capacitor
Network frequency	50/60 Hz
Series name	HDuty
Network harmonic content	$\leq 20\%$
Electrical parameters	6.8 kvar 380 V 50 Hz 8.1 kvar 380 V 60 Hz 7.5 kvar 400 V 50 Hz 9 kvar 400 V 60 Hz 8.1 kvar 415 V 50 Hz 9.7 kvar 415 V 60 Hz
Maximum permissible voltage	$1.1 \times U_n$ (8 hours over 24 hours)
Continuous overcurrent capacity	$1.8 \times I_n$
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	$2.15 \times U_n$ 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	$250 \times I_n$
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	Double Faston terminal
Mounting mode	Upright/horizontal
Diameter	63 mm

Height	245 mm
Product weight	0.9 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 %

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	900.0 g
Package 1 Height	3.5 cm
Package 1 width	9.5 cm
Package 1 Length	8.9 cm
Unit Type of Package 2	P12
Number of Units in Package 2	216
Package 2 Weight	233280.0 g
Package 2 Height	90 cm
Package 2 width	120 cm
Package 2 Length	80 cm
Unit Type of Package 3	P06
Number of Units in Package 3	36
Package 3 Weight	48.39 kg
Package 3 Height	50 cm
Package 3 width	80 cm
Package 3 Length	60 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
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
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