

Product datasheet

Specifications



heavy duty PowerLogic PFC Capacitor, 40/48 kvar - 440 V - 50/60Hz

BLRCH400A480B44

Main

Range	PowerLogic
Range of product	PowerLogic
Product or component type	Heavy duty capacitor
Product name	PowerLogic PFC Capacitor
Network frequency	50/60 Hz
Series name	HDuty
Network harmonic content	<= 20 %
Electrical parameters	40 kvar 440 V 50 Hz 48 kvar 440 V 60 Hz
Maximum permissible voltage	1.1 x Un (8 hours over 24 hours)
continuous overcurrent capacity	1.8 x In
Rated voltage	440 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	321 mm
Net weight	4.1 kg

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	37 cm
Package 1 Width	18 cm
Package 1 Length	18 cm
Package 1 Weight	4.92 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	59.04 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	59.04 kg

Contractual warranty

Warranty	24 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Total lifecycle Carbon footprint	87
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACH Regulation	REACH Declaration

Energy efficiency	
Product contributes to saved and avoided emissions	Yes

Use Again

Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No