Product data sheet

Specifications

heavy duty PowerLogic PFC Capacitor, 3/3.6 kvar - 400V - 50/60Hz

BLRCH030A036B40

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	3 kvar 400 V 50 Hz 3.6 kvar 400 V 60 Hz
Maximum permissible voltage	1.1 x Un (8 hours over 24 hours)
continuous overcurrent capacity	1.8 x In
Rated voltage	400 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	Double Faston terminal
Mounting mode	Upright/horizontal
Diameter	50 mm
Height	245 mm
Net weight	0.7 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 Height	12.000 cm
Package 1 Width	12.500 cm
Package 1 Length	28.500 cm
Package 1 Weight	755.000 g
Unit Type of Package 2	S04
Number of Units in Package 2	15
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	12.550 kg

Contractual warranty

Warranty	18 months

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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	**18**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

EU RoHS Directive	**Compliant**
REACh Regulation	**REACh Declaration**

Energy efficiency

Product contributes to saved and avoided emissions	**Yes**

Use Again

Repack and remanufacture

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**
Take-back	**No**