Product data sheet
Characteristics

BLRCH250A300B40
heavy duty PowerLogic PFC Capacitor, 25/30 kvar - 400 V - 50/60Hz



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 %
Reactive power rating	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)
[Imp] maximum permanent current	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 cu
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 %

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.000 Cm
Package 1 Width	19.000 Cm
Package 1 Length	31.500 Cm
Package 1 Weight	3.051 Kg
Unit Type of Package 2	S06
Number of Units in Package 2	15
Package 2 Height	75.000 Cm
Package 2 Width	60.000 Cm
Package 2 Length	80.000 Cm
Package 2 Weight	58.765 Kg

Offer Sustainability

Recyclability potential, in %	20
Total lifecycle Carbon footprint	699 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	39.060449669407966
Carbon footprint of the manufacturing phase [A1 to A3]	39 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	4.589866290230856
Carbon footprint of the distribution phase [A4]	5 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.04009271129712056
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	648.4986971408285
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	648 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	7.208115117076942
Carbon footprint of the end-of-life phase [C1 to C4]	7 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	699
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
Product contributes to saved and avoided emissions	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised