

Product datasheet

Specifications



VarPlus Can HDuty Capacitor - 50/0 kvar - 400 V - 50/60Hz

BLRCH500A000B40

EAN Code: 3606485253930

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	$\leq 20\%$
Electrical parameters	45.1 kvar 380 V 50 Hz 50 kvar 400 V 50 Hz 53.8 kvar 415 V 50 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	Stud terminals
Mounting mode	Upright/horizontal
Diameter	136 mm
Height	321 mm
Net weight	5.3 kg

Environment

Standards	IEC 60831-2 IEC 60831-1
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	18.000 cm
Package 1 Width	18.000 cm
Package 1 Length	39.500 cm
Package 1 Weight	5.302 kg
Unit Type of Package 2	S06
Number of Units in Package 2	12
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	76.624 kg

Logistical informations

Country of origin	IN
-------------------	----

Contractual warranty

Warranty (in months)	18
----------------------	----



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	97 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	67 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	8 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	10 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	12 kg CO2 eq.
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	Free of Substances of Very High Concern above the threshold



Energy efficiency

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

Use Longer



Lifetime extension

Repair	No
--------	----

Use Again



Repack and remanufacture

Recyclability potential, in %	20
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 never end up in rubbish bins