

Product datasheet

Specifications



heavy duty PowerLogic PFC Capacitor, 4.2/5 kvar - 240 V - 50/60Hz

BLRCH042A050B24

⚠ Discontinued on: 01 Dec 2024

⚠ To be discontinued

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	4.2 kvar 240 V 50 Hz 5 kvar 240 V 60 Hz 4.9 kvar 260 V 50 Hz 5.9 kvar 260 V 60 Hz
Maximum permissible voltage	1.1 x Un (8 hours over 24 hours)
continuous overcurrent capacity	1.8 x In
Rated voltage	240...260 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	63 mm
Height	245 mm

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Net 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 Height	11.500 cm
------------------	-----------

Package 1 Width	12.200 cm
-----------------	-----------

Package 1 Length	28.500 cm
------------------	-----------

Package 1 Weight	1.068 kg
------------------	----------

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	16.666 kg
------------------	-----------

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 19

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 Longer



Lifetime extension

Repair No


Use Again



Repack and remanufacture

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