

Product datasheet

Specifications



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

BLRBH500A000B40

⚠ Discontinued on: 01 Dec 2024

⚠ To be end-of-service on: 31 Dec 2032

⚠ To be discontinued

Price: 7,203.41 ZAR

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	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 x Un (8 hours over 24 hours)
continuous overcurrent capacity	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 cut)
Impregnation material	Non-PCB dry PUR resin Biodegradable
Type of installation	Indoor installation
Connections - terminals	M10 stud with bushing terminal
Mounting mode	Upright
Height	497 mm
Width	309 mm

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

Depth	224 mm
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Net weight	10 kg
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Environment

Standards	IEC 60831-2 IEC 60831-1
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IP degree of protection	IP20
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Operating altitude	2000 m
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Temperature class	D
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Ambient air temperature for operation	-25...55 °C
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Relative humidity	95 %
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	50 cm
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Package 1 Width	22 cm
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Package 1 Length	31 cm
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Package 1 Weight	10.8 kg
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Contractual warranty

Warranty (in months)	18
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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 191

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



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