

# Product datasheet

Specifications



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

BLRCH500A000B40

### Main

Range of product	PowerLogic
Product or component type	Heavy duty 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 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 $\leq 660$ V - 3 kV AC between terminal and container for 10 s $\geq 660$ 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	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 cm
Package 1 Width	37 cm
Package 1 Length	18 cm
Package 1 Weight	5.203 kg
Unit Type of Package 2	S06
Number of Units in Package 2	12
Package 2 Height	74 cm
Package 2 Width	60 cm
Package 2 Length	80 cm
Package 2 Weight	62.436 kg
Unit Type of Package 3	S06
Number of Units in Package 3	12
Package 3 Height	74 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	62.436 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

# Contractual warranty

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Warranty 18 months

Recommended replacement(s)