

Product data sheet

Specifications



PCSN active harmonic filter 50 amp 208-415 VAC - wall-mounted, IP20 enclosure

PCSN050Y4W20

Main

Range of product	AccuSine
Product name	AccuSine PCSn
Product or component type	Active harmonic filter

Complementary

Network type	3P 3P + N
Network configuration	3 or 4 wires
Network rated voltage	208...415 V AC
Network frequency	50/60 Hz
Maximum permissible voltage	1.1 x Un
RMS output current rating	50 A
Reactive power rating	36 kvar 415 V AC 50/60 Hz
Operating modes	Phase harmonic correction Neutral harmonic correction Mains current balancing Power factor correction
Installation location	Indoor
Mounting mode	Wall-mounted
Protection type	Without protection
Heat dissipation	Rear plenum with forced ventilation for high heat flow
Electromagnetic compatibility	Electromagnetic emission, class A conforming to EN 61000-6-4 Electromagnetic immunity conforming to EN 61000-6-2
Accessibility for operation	Front
Location of connection	Bottom

Environment

Enclosure degree of protection	IP20
Environmental characteristic	Operating: 3C2 conforming to IEC 60721-3-3 Operating: 3S2 conforming to IEC 60721-3-3 Storage: 3C3 conforming to IEC 60721-3-3 Storage: 3S3 conforming to IEC 60721-3-3
Operating altitude	<= 1000 m 1 % per 100 m 0...4800 m

Ambient air temperature for operation	0...40 °C 0...50 °C maximum with current derating of 2 % per °C above 40 °C
Relative humidity	0...95 % non-condensing
PCBA protection	Conformal coated
Standards	IEC 62477-1 IEC 61439-1 EN 61000-6-2 EN 61000-6-4 ISO 9001 IEEE 519-2014
Product certifications	RCM EAC CE ABS IBC 2015 (Seismic) ICC-ES AC156
Ambient air temperature for storage	-20...60 °C
Net weight	68.6 kg
Height	960 mm
Width	440 mm
Colour	Light grey (RAL 7035)
Depth	265 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	26.4 cm
Package 1 Width	46.5 cm
Package 1 Length	96.0 cm
Package 1 Weight	68.492 kg
Unit Type of Package 2	PAL
Number of Units in Package 2	1
Package 2 Height	60.1 cm
Package 2 Width	56.0 cm
Package 2 Length	108.0 cm
Package 2 Weight	110.5 kg

Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Recommended replacement(s)