Product data sheet
Characteristics

PCSP300D5IP54
Active harmonic filter - 300 A 380..480 V AC - IP54 enclosure



Main

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

Complementary

Poles description	3P
Wiring mode	3 or 4 wires
Network rated voltage	380…480 V AC
Network frequency	50/60 Hz +/- 3 Hz auto sensing
Maximum permissible voltage	1.1 x Un
Neutral protection setting	Not provided
Nominal output current	300 A
Reactive power rating	249 Kvar 480 V AC 50/60 Hz
Operating mode	Power factor correction Mains current balancing Harmonic cancellation
Mounting location	Indoor
Enclosure mounting	Floor-standing
Protection type	Circuit breaker protection
Control type	Door-interlocked with rotary handle
Breaking capacity	200 KA
Function available	Rear plenum with forced ventilation for high heat flow
Electromagnetic compatibility	Conducted EMC, class A conforming to EN 61000-6-4
Accessibility for operation	Front
Location of connection	Top or bottom

Environment

IP degree of protection	IP54
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
Ambient air temperature for operation	0…40 °C 0…50 °C maximum with current derating of 2 % per °C
Relative humidity	0…95 %
Impregnation material	Conformal coated

Standards	UL 60947-1 CSA C22.2 No 60947-1-07 EN 60439-1 CSA C22.2 No 14 UL 508 EN 61000-6-4
Product certifications	ABS[RETURN]RCM[RETURN]cULus[RETURN]CE
Ambient air temperature for storage	-20…60 °C
Net weight	405 Kg
Height	2100 Mm
Width	900 Mm
Colour	Light grey (RAL 7035)
Depth	600 Mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	226.000 Cm
Package 1 Width	120.000 Cm
Package 1 Length	106.000 Cm
Package 1 Weight	527.000 Kg

Offer Sustainability

Recyclability potential, in %	72
Total lifecycle Carbon footprint	190 ton CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4074.374116705019
Carbon footprint of the manufacturing phase [A1 to A3]	4 074 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	372.1865755665551
Carbon footprint of the distribution phase [A4]	372 kg CO2 eq.
Carbon footprint of the installation phase [A5]	129.3087630589638
Carbon footprint of the installation phase [A5]	129 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	184398.1734492795
Carbon footprint of the use phase [B2, B3, B4, B6]	184 ton CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	701.5575207044282
Carbon footprint of the end-of-life phase [C1 to C4]	702 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	189676
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	41f8a5bd-7758-4f6b-8e3f-271055f150ec
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
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

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised