

Product data sheet

Specifications



electronic filtering power supply, 400V, 268A, IP00, 3 phases

APMCA02LCN4RH

Main

Range of product	Altivar Process Modular
Product or component type	Power filter
Device short name	APM
Product compatibility	Power module
Mounting mode	Cabinet mount
EMC filter	Integrated 984.3 ft (300 m) category C3
IP degree of protection	IP00IEC 61800-5-1 IP00IEC 60529
Network number of phases	3 phases
[Us] rated supply voltage	380...480 V - 10...10 %

Complementary

Prospective line Isc	50 kA
Apparent power	223 kVA normal duty 181 kVA heavy duty
Line current	278 A 380 V normal duty) 268 A 480 V normal duty) 233 A 380 V heavy duty) 218 A 480 V heavy duty)
Width	10.6 in (269 mm)
Height	49.2 in (1249 mm)
Depth	19.9 in (506 mm)
Net weight	352.7 lb(US) (160 kg)

Environment

Insulation resistance	> 1 MOhm at 500 V, between supply and earth terminals
Operating position	Vertical integrated in cabinet
Maximum THDI	<48 % full load IEC 61000-3-12
Electromagnetic compatibility	Electrostatic discharge immunity test level 3 conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test level 3 conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4 1.2/50 μ s - 8/20 μ s surge immunity test level 3 conforming to IEC 61000-4-5 Conducted radio-frequency immunity test level 3 conforming to IEC 61000-4-6
Pollution degree	2 IEC 61800-5-1
Vibration resistance	1.5 mm peak to peak (f= 2...13 Hz) conforming to IEC 60068-2-6 0.5 gn (f= 13...200 Hz) conforming to IEC 60068-2-6

Shock resistance	4 gn 11 ms IEC 60068-2-27
Relative humidity	5...95 % without condensation IEC 60068-2-3
Ambient air temperature for operation	14...104 °F (-10...40 °C) (without derating) 104...122 °F (40...50 °C) (with derating factor)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Operating altitude	<= 4800 m with current derating above 1000m
Environmental characteristic	Chemical pollution resistance class 3C3 IEC 60721-3-3 Dust pollution resistance class 3S3 IEC 60721-3-3
Standards	UL 61800-5-1 IEC 61800-3 IEC 61800-5-1 IEC 61000-3-12 IEC 60721-3 IEC 61508 IEC 13849-1
Product certifications	TÜV cUL
Marking	CE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	28.346 in (72.000 cm)
Package 1 Width	29.134 in (74.000 cm)
Package 1 Length	55.118 in (140.000 cm)
Package 1 Weight	440.925 lb(US) (200.000 kg)

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	34 703 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1 173 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	25 kg CO2 eq.
Carbon footprint of the installation phase [A5]	35 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	33 442 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	29 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	70a83877-13d2-4c61-bca6-8d01d28c9bd8
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No