

Product datasheet

Specifications



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

APMCA01LCN4RH

EAN Code: 3606481807786

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 with 300 m category C3
IP degree of protection	IP00 conforming to IEC 61800-5-1 IP00 conforming to IEC 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 at 380 V (normal duty) 268 A at 480 V (normal duty) 233 A at 380 V (heavy duty) 218 A at 480 V (heavy duty)
Width	269 mm
Height	1249 mm
Depth	506 mm
Net weight	103 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 conforming to 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 µs - 8/20 µs 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 conforming to 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

Rates duty January 2016

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Shock resistance	4 gn for 11 ms conforming to IEC 60068-2-27
Relative humidity	5...95 % without condensation conforming to IEC 60068-2-3
Ambient air temperature for operation	-10...40 °C (without derating) 40...50 °C (with derating factor)
Ambient air temperature for storage	-40...70 °C
Operating altitude	<= 4800 m with current derating above 1000m
Environmental characteristic	Chemical pollution resistance class 3C3 conforming to IEC 60721-3-3 Dust pollution resistance class 3S3 conforming to 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	70.000 cm
Package 1 Width	74.000 cm
Package 1 Length	140.000 cm
Package 1 Weight	140.000 kg

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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	18275
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	70a83877-13d2-4c61-bca6-8d01d28c9bd8
REACH Regulation	REACH Declaration

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins