

# LH/regen power module , Altivar Process Modular, 160 kW, 380... 480V, IP00

APM1B0C16N4

## Main

Range of product	Altivar Process Modular	
Product or component type	Power module	
Device short name	APM	
Product destination	Synchronous motors Asynchronous motors	
Mounting mode	Cabinet mount	
Kit composition	1 power module 3 fuse holder screws and washers for fuse	
EMC filter	Integrated with 300 m conforming to IEC 61800-3 category C3	
IP degree of protection	IP00 conforming to IEC 61800-5-1 IP21 (for cabinet integration) conforming to IEC 61800-5-1 IP54 (for cabinet integration) conforming to IEC 61800-5-1	
Supply frequency	5060 Hz - 55 %	
Network number of phases	3 phases	
[Us] rated supply voltage	380480 V - 1010 %	
Motor power kW	160 kW at 380480 V (normal duty) 132 kW at 380480 V (heavy duty)	
Motor power hp	250 hp at 380480 V normal duty 200 hp at 380480 V heavy duty	

## Complementary

Degree of protection	UL type 1 conforming to UL 61800-5-1 (cabinet integration) UL type 12 conforming to UL 61800-5-1 (cabinet integration)	
Prospective line Isc	50 kA	
Apparent power	203 kVA at 380480 V normal duty 144 kVA at 380480 V heavy duty 147 kVA at 380480 V normal duty regenerative mode 120 kVA at 380480 V heavy duty regenerative mode	
Continuous output current	302 A at 2.5 kHz for normal duty 250 A at 2.5 kHz for heavy duty	
Switching frequency	2.58 kHz with derating factor 28 kHz adjustable	
Permissible temporary current boost	1.1 x In during 60 s (normal duty) 1.5 x In during 60 s (heavy duty)	
Width	450 mm	
Height	1722 mm	
Depth	508 mm	

Net weight	260 kg
Marking	CE

## **Environment**

Insulation resistance	> 1 MOhm 500 V DC for 1 minute to earth	
Operating position	Vertical integrated in cabinet	
Maximum THDI	<5 % full load	
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= 213 Hz) conforming to IEC 60068-2-6 0.5 gn (f= 13200 Hz) conforming to IEC 60068-2-6	
Shock resistance	4 gn for 11 ms conforming to IEC 60068-2-27	
Relative humidity	595 % without condensation conforming to IEC 60068-2-3	
Ambient air temperature for operation	-540 °C 4050 °C (with derating factor)	
Ambient air temperature for storage	-4070 °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	

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	68.000 cm
Package 1 Width	56.000 cm
Package 1 Length	190.000 cm
Package 1 Weight	298.000 kg



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)	292785
Environmental Disclosure	Product Environmental Profile

## **Use Better**

Materials and Packaging		
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	F98674fc-a294-4a5e-b15d-e11facaf6e89	
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