

# Product datasheet

Specifications



standard power module , Altivar  
Process Modular, 110...200kW,  
500...690V, IP00

APM1A0C20Y6

## 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 1 mains unit 1 power supply for fan 48 V 1 relay for fan 3 fuse holder 2 brackets with nuts screws and washers for fuse
EMC filter	Integrated with 300 m conforming to EN/IEC 61800-3 category C3
IP degree of protection	IP00 (no enclosure) conforming to IEC 61800-5-1 IP00 conforming to IEC 60529
Supply frequency	50...60 Hz - 5...5 %
Network number of phases	3 phases
[Us] rated supply voltage	500...690 V - 10...10 %
Motor power kW	200 kW at 500...690 V (normal duty) 160 kW at 500...690 V (heavy duty)
Motor power hp	200 hp at 500...690 V normal duty 175 hp at 500...690 V heavy duty

## Complementary

Prospective line I <sub>sc</sub>	50 kA
Apparent power	239 kVA at 500...690 V normal duty 195 kVA at 500...690 V heavy duty
Continuous output current	215 A at 2.5 kHz for normal duty 175 A at 2.5 kHz for heavy duty
Switching frequency	2...4.9 kHz adjustable with derating factor
Permissible temporary current boost	1.1 x I <sub>n</sub> during 60 s (normal duty) 1.5 x I <sub>n</sub> during 60 s (heavy duty)
Width	230 mm
Height	1705 mm
Depth	510 mm

Net weight	168 kg
Marking	CE
<b>Environment</b>	
Insulation resistance	> 1 MOhm 500 V DC for 1 minute to earth
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 EN/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 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	> 2000 m with current derating above 1000m
Environmental characteristic	Chemical pollution resistance class 3C3 conforming to EN/IEC 60721-3-3 Dust pollution resistance class 3S3 conforming to EN/IEC 60721-3-3
Standards	UL 61800-5-1 EN/IEC 61800-3 EN/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 Weight	198 kg
Package 1 Height	70 cm
Package 1 width	75 cm
Package 1 Length	136 cm

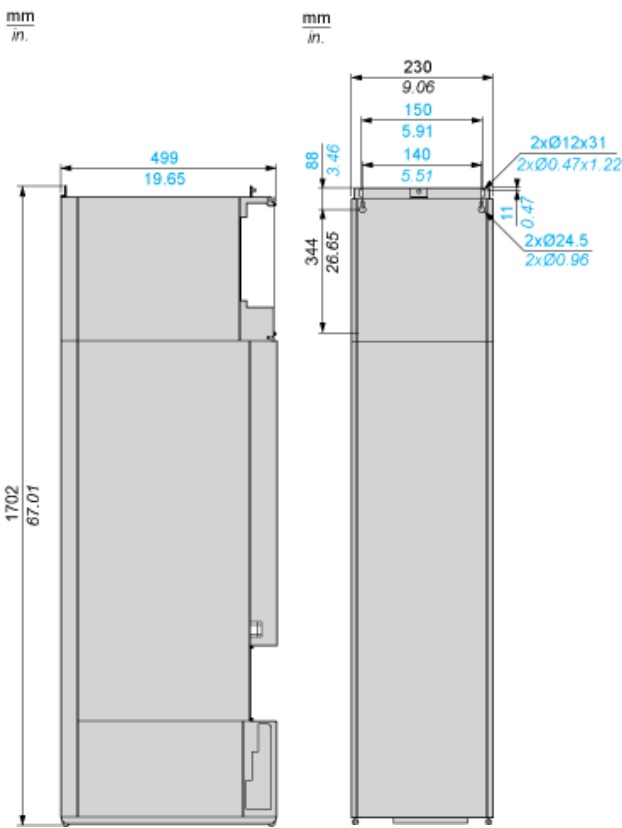
### Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Dimensions Drawings

**APM1A0C20Y6**

## Side and Front Views



# Mouser Electronics

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