

LH/regen power module , Altivar Process Modular, 110...200kW, 500...690V, IP00

APM1B0C20Y6

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	500690 V - 1010 %	
Motor power kW	200 kW at 500690 V (normal duty) 160 kW at 500690 V (heavy duty)	
Motor power hp	200 hp at 500690 V normal duty 175 hp at 500690 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	219 kVA at 500690 V normal duty 177 kVA at 500690 V heavy duty 145 kVA at 380480 V normal duty regenerative mode 119 kVA at 380480 V heavy duty regenerative mode	
Continuous output current	215 A at 2.5 kHz for normal duty 175 A at 2.5 kHz for heavy duty	
Switching frequency	24.9 kHz with derating factor 2.54.9 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	290 kg
Marking	CE

Environment

Insulation resistance	> 1 MOhm 500 V DC for 1 minute to earth Vertical integrated in cabinet	
Operating position		
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	-1040 °C (without derating) 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	69.0 cm
Package 1 Width	56.0 cm
Package 1 Length	192.0 cm
Package 1 Weight	325.0 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)	250077
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Packaging	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	F98674fc-a294-4a5e-b15d-e11facaf6e89

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

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Dimensions Drawings

Side and Rear Views

