

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

APM1A0C20Y6

EAN Code: 3606481325426

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 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 | 239 kVA at 500690 V normal duty 195 kVA at 500690 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 | 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 | 230 mm | |
| Height | 1705 mm | |

Rates duty January 2016

| Depth | 510 mm |
|------------|--------|
| Net weight | 168 kg |
| Marking | CE |

Environment

| Insulation resistance | > 1 MOhm 500 V DC for 1 minute to earth | |
|---------------------------------------|--|--|
| Operating position | Vertical integrated in cabinet | |
| Maximum THDI | <48 % from 80100 % of 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 | 70.0 cm |
| Package 1 Width | 75.0 cm |
| Package 1 Length | 136.0 cm |
| Package 1 Weight | 198.0 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) | 172683 |
| 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 | 3bbb22c2-1823-4e45-bb65-ca06bd66095b |
| 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 |

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Dimensions Drawings

Side and Front Views

