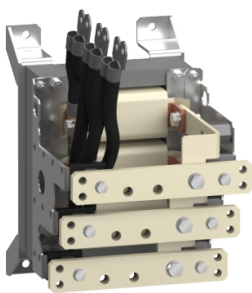


# Product datasheet

Specifications



## motor protection module , Altivar Process Modular, 500...690V, liquid cooled

APM1L0MPMY6

EAN Code: 3606481012876

### Main

|                           |                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | Altivar Process Modular                                                                                                                                      |
| Product or component type | Power module                                                                                                                                                 |
| Mounting mode             | Cabinet mount                                                                                                                                                |
| IP degree of protection   | IP00 conforming to IEC 61800-5-1<br>IP21 (for cabinet integration) conforming to IEC 61800-5-1<br>IP66 (for cabinet integration) conforming to IEC 61800-5-1 |
| Network number of phases  | 3 phases                                                                                                                                                     |
| [Us] rated supply voltage | 500...690 V - 10...10 %                                                                                                                                      |

### Complementary

|                      |                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Degree of protection | UL type 1 conforming to UL 61800-5-1 (cabinet integration)<br>UL type 12 conforming to UL 61800-5-1 (cabinet integration) |
| Switching frequency  | 2...4.9 kHz                                                                                                               |
| Width                | 229 mm                                                                                                                    |
| Height               | 322 mm                                                                                                                    |
| Depth                | 337 mm                                                                                                                    |
| Net weight           | 32.5 kg                                                                                                                   |
| Marking              | CE                                                                                                                        |

### Environment

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insulation resistance                 | > 1 MOhm 500 V DC for 1 minute to earth                                                                                                                                                                                                                                                                                                                                                                                          |
| Operating position                    | Vertical integrated in cabinet                                                                                                                                                                                                                                                                                                                                                                                                   |
| Electromagnetic compatibility         | Electrostatic discharge immunity test level 3 conforming to IEC 61000-4-2<br>Radiated radio-frequency electromagnetic field immunity test level 3 conforming to IEC 61000-4-3<br>Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4<br>1.2/50 µs - 8/20 µs surge immunity test level 3 conforming to IEC 61000-4-5<br>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<br>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)<br>40...50 °C (with derating factor)                                                                                                                                                                                                                                                                                                                                                              |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                                                                                                                                                                                                                                                                                                      |

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

|                              |                                                                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Operating altitude           | <= 4800 m with current derating above 1000m                                                                                            |
| Environmental characteristic | Chemical pollution resistance class 3C3 conforming to IEC 60721-3-3<br>Dust pollution resistance class 3S3 conforming to IEC 60721-3-3 |
| Standards                    | UL 61800-5-1<br>IEC 61800-3<br>IEC 61800-5-1<br>IEC 61000-3-12<br>IEC 60721-3<br>IEC 61508<br>IEC 13849-1                              |
| Product certifications       | TÜV<br>cULus                                                                                                                           |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 60.0 cm |
| Package 1 Width              | 40.0 cm |
| Package 1 Length             | 65.0 cm |
| Package 1 Weight             | 38.5 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) | 7772                                          |
| Environmental Disclosure                              | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                        |
| Packaging without single use plastic   | No                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope) |
| SCIP Number                            | Ade3911a-0b83-4edd-9927-b94a78c509e2                       |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                          |

Use Again

| Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                | No                                                                                                                                                                                                              |
| WEEE                     |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |