# Product data sheet

Specifications



## Braking Unit for ATV900, APM, Single Drive, 500 V, 200 kW

MODBUOC20N6APM

## Main

| | |
|---|---|
| **Range of product** | Altivar Process Modular |
| **Product or component type** | Control module |
| **[Us] rated supply voltage** | 500 V |
| **Maximum current Irms** | 74.0 A during braking phase<br>54.0 A over whole braking sequence<br>58.0 A for continuous operation |
| **Nominal power** | 200.0 kW |

## Complementary

| | |
|---|---|
| **Permanent braking power** | 240.0 kW (5 % (12 s))<br>140.8 kW (50 % (120 s))<br>85.0 kW (100 %) |
| **Tightening torque** | 243 lb.in<br>27.5 N.m |
| **Power factor** | 100 |
| **Network number of phases** | 3 phases |
| **Electrical connection** | Resistor PA1, PA2, PA3, PB1, PB2, PB3: screw terminal 6 x 25…6 x 120 mm²/6 x 3 AWG...6 x 300 kcmil |
| **Kit composition** | 1<br>Control unit 1 |
| **Cycle time** | 240 s |

## Environment

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|---|---|
| **IP degree of protection** | IP21 conforming to IEC 61800-5-1<br>IP54 conforming to IEC 61800-5-1<br>IP21 conforming to IEC 60529<br>IP54 conforming to IEC 60529 |
| **Operating altitude** | 0...2000 m with current derating above 1000m |
| **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 |
| **Standards** | EN/IEC 61800-3<br>EN/IEC 61800-5-1<br>IEC 61000-3-12<br>IEC 60721-3<br>IEC 61508<br>IEC 13849-1<br>UL 61800-5-1 |
| **Product certifications** | TÜV<br>cUL |
| **Marking** | CE |

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

| | |
|---|---|
| **Environmental characteristic** | 3C3 conforming to IEC 60721-3-3 |
| **Pollution degree** | 2 conforming to IEC 61800-5-1 |
| **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 |
| **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 |
| **Noise level** | 69 dB conforming to 86/188/EEC |
| **Insulation resistance** | For 1 minute, between supply and earth terminals: > 1 MOhm at 500 V DC |
| **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 |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## 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 >

### Use Better

#### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |

### Use Again

#### Repack and remanufacture

| | |
|---|---|
| Take-back | No |