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# Data sheet for SINAMICS Power Module PM230


Figure similar

## Ordering data

6SL3223-0DE21-5AA1

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

## Rated data

### Input

| | |
|---|---|
| Number of phases | 3 AC |
| Line voltage | 380 ... 480 V ±10 % |
| Line frequency | 47 ... 63 Hz |
| Rated current (LO) | 4.20 A |
| Rated current (HO) | 3.20 A |

### Output

| | |
|---|---|
| Number of phases | 3 AC |
| Rated voltage | 400 V |
| Rated power (LO) | 1.50 kW / 2.00 hp |
| Rated power (HO) | 1.10 kW / 1.50 hp |
| Rated current (LO) | 4.10 A |
| Rated current (HO) | 3.10 A |
| Max. output current | 6.20 A |
| Pulse frequency | 4 kHz |
| Output frequency for vector control | 0 ... 200 Hz |
| Output frequency for V/f control | 0 ... 550 Hz |

## General tech. specifications

| | |
|---|---|
| Power factor λ | 0.90 |
| Offset factor cos φ | 0.95 |
| Efficiency η | 0.95 |
| Sound pressure level (1m) | 62 dB |
| Power loss | 0.08 kW |

## Ambient conditions

| | |
|---|---|
| Cooling | Internal air cooling |
| Cooling air requirement | 0.007 m³/s |
| Installation altitude | 1000 m |

### Ambient temperature

| | |
|---|---|
| Operation LO | -10 ... 40 °C (14 ... 104 °F) |
| Operation HO | -10 ... 50 °C (14 ... 122 °F) |
| Transport | -40 ... 70 °C (-40 ... 158 °F) |
| Storage | -25 ... 55 °C (-13 ... 131 °F) |

### Relative humidity

| | |
|---|---|
| Max. operation | 95 % RH, condensation not permitted |

## Overload capability

**Low Overload (LO)**

1.1 × output current rating (i.e., 110 % overload) for 57 s with a cycle time of 300 s 1.5 × output current rating (i.e., 150 % overload) for 3 s with a cycle time of 300 s

**High Overload (HO)**

1.5 × output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2 × output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s

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## Mechanical data

| | |
|---|---|
| **Degree of protection** | IP55/UL Type 12 |
| **Size** | FSA |
| **Net weight** | 4.30 kg |
| **Width** | 154.0 mm |
| **Height** | 460.0 mm |
| **Depth** | 249.0 mm |

## Connections

### Line side

| | |
|---|---|
| **Version** | Plug-in screw-type terminals |
| **Conductor cross-section** | 1.00 ... 2.50 mm² |

### Motor end

| | |
|---|---|
| **Version** | Plug-in screw-type terminals |
| **Conductor cross-section** | 1.00 ... 2.50 mm² |

### Max. motor cable length

| | |
|---|---|
| **Shielded** | 25 m |
| **Unshielded** | 100 m |

## Standards

| | |
|---|---|
| **Compliance with standards** | UL, CE, C-Tick (RCM) |
| **CE marking** | According to low-voltage directive 2006/95/EC |