

Ordering data

6SL3210-1PB21-4UL0



Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data | | General tech. specifications | |
|--|--------------------------|--|-------------------------------------|
| Input | | Power factor λ | 0.85 |
| Number of phases | 1 / 3 AC | Offset factor $\cos \varphi$ | 0.95 |
| Line voltage | 200 ... 240 V ± 10 % | Efficiency η | 0.96 |
| Line frequency | 47 ... 63 Hz | Sound pressure level (1m) | 65 dB |
| Rated current (LO) | 35.90 / 20.70 A | Power loss | 0.14 kW |
| Rated current (HO) | 31.30 A | Ambient conditions | |
| Output | | Cooling | Internal air cooling |
| Number of phases | 3 AC | Cooling air requirement | 0.018 m ³ /s |
| Rated voltage | 230 V | Installation altitude | 1000 m |
| Rated power (LO) | 3.00 kW | Ambient temperature | |
| Rated power (HO) | 2.20 kW | Operation LO | -5 ... 40 °C (23 ... 104 °F) |
| Rated current (LO) | 13.60 A | Operation HO | -5 ... 50 °C (23 ... 122 °F) |
| Rated current (HO) | 10.40 A | Transport | -40 ... 70 °C (-40 ... 158 °F) |
| Max. output current | 20.80 A | Storage | -25 ... 55 °C (-13 ... 131 °F) |
| Pulse frequency | 4 kHz | Relative humidity | |
| Output frequency for vector control | 0 ... 200 Hz | Max. operation | 95 % RH, condensation not permitted |
| Output frequency for V/f control | 0 ... 550 Hz | | |

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 | | Connections | |
|----------------------|----------|---------------------------|---|
| Degree of protection | IP20 | Line side | |
| Size | FSC | Version | Plug-in screw-type terminals |
| Net weight | 5.00 kg | Conductor cross-section | 6.00 ... 16.00 mm² |
| Width | 140.0 mm | Motor end | |
| Height | 355.0 mm | Version | Plug-in screw-type terminals |
| Depth | 165.0 mm | Conductor cross-section | 6.00 ... 16.00 mm² |
| | | Max. motor cable length | |
| | | Shielded | 50 m |
| | | Unshielded | 100 m |
| Standards | | | |
| | | Compliance with standards | UL, cUL, CE, C-Tick, SEMI F47 |
| | | CE marking | According to low-voltage directive 2006/95/EC |