



Figure similar

MLFB-Ordering data                      6SL5310-1BB10-2CF0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data                         |                      | Communication              |                                                                          |
|------------------------------------|----------------------|----------------------------|--------------------------------------------------------------------------|
| Input                              |                      | Communication              | PROFINET                                                                 |
| Number of phases                   | 1 AC                 | Ambient conditions         |                                                                          |
| Line voltage                       | 200 ... 240 V ±10 %  | Installation altitude      | 1000 m (3280.84 ft)                                                      |
| Line frequency                     | 45 ... 66 Hz         | Cooling                    | convection cooling                                                       |
| Rated current                      | 2.7 A                | Ambient temperature during |                                                                          |
| Inrush current                     | 8.0 A                | Operation                  | 0 ... 50 °C (32 ... 122 °F)                                              |
| Output                             |                      |                            | Better than class 3K3, in acc. with EN 60721-3-3: 2002, without derating |
| Number of phases                   | 3 AC                 | Transport                  | -40 ... 70 °C (-40 ... 158 °F)                                           |
| Rated power                        | 0.20 kW              |                            | Class 2K4, in acc. with EN 60721-3-2: 1997, in transport packaging       |
| Rated current I <sub>N</sub>       | 1.4 A                | Storage                    | -25 ... 55 °C (-13 ... 131 °F)                                           |
| Max. output current                | 4.8 A                |                            | Class 1K4, in acc. with EN 60721-3-1: 1997, in product packaging         |
| Pulse frequency                    | 8 kHz                | Relative humidity during   |                                                                          |
| Output frequency for servo control | 0 ... 550 Hz         | Max. operation             | 95 %                                                                     |
| Electronics power supply           |                      |                            | RH, condensation not permitted                                           |
| Voltage                            | 24 V -15 % ... +20 % | Transport, max.            | 95 %                                                                     |
| Current demand, max.               | 0.8 A                |                            | at 40 °C (104 °F)                                                        |
|                                    |                      | Bearing, max.              | 95 %                                                                     |

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Figure similar

| Inputs / outputs                                                                                                                                                                                                                                                                                     | Connections                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard digital inputs</b>                                                                                                                                                                                                                                                                       | <b>Line side</b>                                                                                                                                                                       |
| <div>Number5of which 2 for F-DI</div>                                                                                                                                                                                                                                                                | <div>Versionpush-in spring-type terminals</div> <div>Conductor cross-section0.20 ... 2.50 mm² / 24 ... 14 AWG</div>                                                                    |
| <b>Fail-safe digital inputs</b>                                                                                                                                                                                                                                                                      | <b>Motor end</b>                                                                                                                                                                       |
| <div>Number1Can only be used for STO/SS1-t</div>                                                                                                                                                                                                                                                     | <div>Versionpush-in spring-type terminals</div> <div>Conductor cross-section0.20 ... 2.50 mm² / 24 ... 14 AWG</div>                                                                    |
| <b>Mechanical data</b>                                                                                                                                                                                                                                                                               | <b>DC link (for braking resistor)</b>                                                                                                                                                  |
| <b>Dimensions</b>                                                                                                                                                                                                                                                                                    | <div>Versionpush-in spring-type terminals</div> <div>Conductor cross-section0.20 ... 2.50 mm² / 24 ... 14 AWG</div> <div>Cable length10 m (32.81 ft)</div>                             |
| <div>Width45.0 mm (1.77 in)</div> <div>Height without shield plate170.0 mm (6.69 in)</div> <div>Depth172.4 mm (6.79 in)</div> <div>Mounting positionvertical wall mounting</div> <div>Degree of protectionIP20 / UL open type</div> <div>Frame sizeFSA</div> <div>Net weight1.10 kg (2.43 lb )</div> | <b>PE connection</b>                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                      | <div>VersionM4 screw studs</div>                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                      | <b>Max. motor cable length <sup>1)</sup></b>                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                      | <div>Shielded50 m (164.04 ft)</div>                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                      | <b>Standards</b>                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                      | <div>Compliance with standardsCE, cULus, RCM, UKCA</div>                                                                                                                               |
|                                                                                                                                                                                                                                                                                                      | <div>CE markingLow-voltage directive 2006/95/EC</div>                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                      | <div>Verification of suitability for fail-safetySIL 3 in acc. with IEC 61508 and IEC 61800-5-2, PL e in acc. with ISO 13849-1, Category 3 or Category 4 in acc. with ISO 13849-1</div> |

<sup>1)</sup> Cable length with possibility of connection an external filter