

### MLFB-Ordering data

6SL3210-5HE11-5UF0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data                         |                          | Communication                     |                                                                          |
|------------------------------------|--------------------------|-----------------------------------|--------------------------------------------------------------------------|
| <b>Input</b>                       |                          | Communication                     | PROFINET                                                                 |
| Number of phases                   | 3 AC                     | <b>Ambient conditions</b>         |                                                                          |
| Line voltage                       | 200 ... 480 V $\pm 10$ % | Installation altitude             | 1000 m (3280.84 ft)                                                      |
| Line frequency                     | 45 ... 66 Hz             | Cooling                           | Air cooling using an integrated fan                                      |
| Rated current                      | 6.0 A                    | <b>Ambient temperature during</b> |                                                                          |
| Inrush current                     | 8.6 A                    | Operation                         | 0 ... 50 °C (32 ... 122 °F)                                              |
| <b>Output</b>                      |                          |                                   | 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 (at 400V)              | 1.50 kW                  |                                   | Class 2K4, in acc. with EN 60721-3-2: 1997, in transport packaging       |
| Rated power (at 240V)              | 0.90 kW                  | Storage                           | -25 ... 55 °C (-13 ... 131 °F)                                           |
| Rated current $I_N$                | 5.0 A                    |                                   | Class 1K4, in acc. with EN 60721-3-1: 1997, in product packaging         |
| Max. output current                | 19.0 A                   | <b>Relative humidity during</b>   |                                                                          |
| Pulse frequency                    | 8 kHz                    | Max. operation                    | 95 %                                                                     |
| Output frequency for servo control | 0 ... 550 Hz             |                                   | RH, condensation not permitted                                           |
| <b>Electronics power supply</b>    |                          | Transport, max.                   | 95 %                                                                     |
| Voltage                            | 24 V -15 % ... +20 %     |                                   | at 40 °C (104 °F)                                                        |
| Current demand, max.               | 1.0 A                    | Bearing, max.                     | 95 %                                                                     |

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| Inputs / outputs            |                                   | Connections                                 |                                                                                                                                                                    |
|-----------------------------|-----------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard digital inputs     |                                   | Line side                                   |                                                                                                                                                                    |
| Number                      | 5<br>of which 2 for F-DI          | Version                                     | push-in spring-type terminals                                                                                                                                      |
|                             |                                   | Conductor cross-section                     | 0.75 ... 6.00 mm² / 18 ... 10 AWG                                                                                                                                  |
| Fail-safe digital inputs    |                                   | Motor end                                   |                                                                                                                                                                    |
| Number                      | 1<br>Can only be used for STO/SS1 | Version                                     | push-in spring-type terminals                                                                                                                                      |
|                             |                                   | Conductor cross-section                     | 0.75 ... 6.00 mm² / 18 ... 10 AWG                                                                                                                                  |
| Mechanical data             |                                   | DC link (for braking resistor)              |                                                                                                                                                                    |
| Dimensions                  |                                   | Version                                     | push-in spring-type terminals                                                                                                                                      |
| Width                       | 70.0 mm (2.76 in)                 | Conductor cross-section                     | 0.75 ... 6.00 mm² / 18 ... 10 AWG                                                                                                                                  |
| Height without shield plate | 280.0 mm (11.00 in)               | Cable length                                | 10 m (32.81 ft)                                                                                                                                                    |
| Depth                       | 222.8 mm (8.77 in)                | PE connection                               |                                                                                                                                                                    |
| Mounting position           | vertical wall mounting            | Version                                     | M4 screw studs                                                                                                                                                     |
| Degree of protection        | IP20 / UL open type               | Max. motor cable length <sup>1)</sup>       |                                                                                                                                                                    |
| Frame size                  | FSB                               | Shielded                                    | 50 m (164.04 ft)                                                                                                                                                   |
| Net weight                  | 3.30 kg (7.28 lb )                | Standards                                   |                                                                                                                                                                    |
|                             |                                   | Compliance with standards                   | CE, cULus, RCM, KC, EAC, UKCA                                                                                                                                      |
|                             |                                   | CE marking                                  | Low-voltage directive 2006/95/EC                                                                                                                                   |
|                             |                                   | Verification of suitability for fail-safety | SIL 2 in acc. with IEC 61508 parts 1-3 (2010) and IEC 61800-5-2 (2016), PL d in acc. with ISO 13849 part 1 (2015), Category 3 in acc. with ISO 13849 part 1 (2015) |

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