



Figure similar

MLFB-Ordering data

6SL3210-5HE10-4UF0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data

Input

| | |
|------------------|--------------------------|
| Number of phases | 3 AC |
| Line voltage | 200 ... 480 V \pm 10 % |
| Line frequency | 45 ... 66 Hz |
| Rated current | 1.6 A |
| Inrush current | 4.3 A |

Output

| | |
|------------------------------------|--------------|
| Number of phases | 3 AC |
| Rated power (at 400V) | 0.40 kW |
| Rated power (at 240V) | 0.24 kW |
| Rated current I_N | 1.2 A |
| Max. output current | 4.2 A |
| Pulse frequency | 8 kHz |
| Output frequency for servo control | 0 ... 550 Hz |

Electronics power supply

| | |
|----------------------|----------------------|
| Voltage | 24 V -15 % ... +20 % |
| Current demand, max. | 1.0 A |

Communication

| | |
|---------------|----------|
| Communication | PROFINET |
|---------------|----------|

Ambient conditions

| | |
|-----------------------|-------------------------------------|
| Installation altitude | 1000 m (3280.84 ft) |
| Cooling | Air cooling using an integrated fan |

Ambient temperature during

| | |
|-----------|---|
| Operation | 0 ... 50 °C (32 ... 122 °F) Better than class 3K3, in acc. with EN 60721-3-3: 2002, without derating |
|-----------|---|

| | |
|-----------|--|
| Transport | -40 ... 70 °C (-40 ... 158 °F) Class 2K4, in acc. with EN 60721-3-2: 1997, in transport packaging |
|-----------|--|

| | |
|---------|--|
| Storage | -25 ... 55 °C (-13 ... 131 °F) Class 1K4, in acc. with EN 60721-3-1: 1997, in product packaging |
|---------|--|

Relative humidity during

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

| | |
|-----------------|---------------------------|
| Transport, max. | 95 % at 40 °C (104 °F) |
|-----------------|---------------------------|

| | |
|---------------|------|
| Bearing, max. | 95 % |
|---------------|------|



Figure similar

| Inputs / outputs | | Connections | |
|---------------------------------|-----------------------------------|--|--|
| Standard digital inputs | | Line side | |
| Number | 5 of which 2 for F-DI | Version | push-in spring-type terminals |
| | | Conductor cross-section | 0.75 ... 6.00 mm ² / 18 ... 10 AWG |
| Fail-safe digital inputs | | Motor end | |
| Number | 1 Can only be used for STO/SS1 | Version | push-in spring-type terminals |
| | | Conductor cross-section | 0.75 ... 6.00 mm ² / 18 ... 10 AWG |
| Mechanical data | | DC link (for braking resistor) | |
| Dimensions | | Version | push-in spring-type terminals |
| Width | 50.0 mm (1.97 in) | Conductor cross-section | 0.75 ... 6.00 mm ² / 18 ... 10 AWG |
| Height without shield plate | 231.0 mm (9.09 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 ¹⁾ | |
| Frame size | FSA | Shielded | 50 m (164.04 ft) |
| Net weight | 2.10 kg (4.63 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) |

¹⁾ Cable length with possibility of connection an external filter