



Figure similar

### MLFB-Ordering data

6SL3210-5BE27-5CV0

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 -15 % +10 % |
| Line frequency   | 47 ... 63 Hz              |

#### Output

|                            |                    |
|----------------------------|--------------------|
| Number of phases           | 3 AC               |
| Rated voltage              | 400 V              |
| Rated power (HO)           | 7.50 kW / 10.00 hp |
| Rated power (LO)           | 7.50 kW / 10.00 hp |
| Rated current (HO)         | 16.50 A            |
| Rated current (LO)         | 16.50 A            |
| Rated current (HO) at 480V | 16.50 A            |
| Rated current (LO) at 480V | 16.50 A            |
| Pulse frequency            | 4.00 kHz           |
| Output frequency           | 0 ... 550 Hz       |

### General tech. specifications

|                              |         |
|------------------------------|---------|
| Power factor $\lambda$       | 0.72    |
| Offset factor $\cos \varphi$ | 0.95    |
| Efficiency $\eta$            | 0.98    |
| Filter class (integrated)    | Class A |

### Ambient conditions

|                       |                                |
|-----------------------|--------------------------------|
| Cooling               | External fan                   |
| Installation altitude | 1000 m (3281 ft)               |
| Ambient temperature   |                                |
| Operation             | -10 ... 60 °C (14 ... 140 °F)  |
| Storage               | -40 ... 70 °C (-40 ... 158 °F) |

### Relative humidity

|                |      |
|----------------|------|
| Max. operation | 95 % |
|----------------|------|

### Communication

|               |                 |
|---------------|-----------------|
| Communication | USS, Modbus RTU |
|---------------|-----------------|

### Standards

|                           |  |
|---------------------------|--|
| Compliance with standards | CE, cULus, C-Tick (RCM), KC              |
| CE marking                | EN 61800-5-1 / EN 60204-1 and EN 61800-3 |

### Overload capability

#### Low Overload (LO)

110 % rated output current for 60 s, cycle time 300 s

#### High Overload (HO)

150 % rated output current for 60 s, cycle time 300 s

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### Mechanical data

|                      |   |
|----------------------|---|
| Mounting position    | Through-hole mounting / wall mounting / side-by-side mounting |
| Degree of protection | IP20 / UL open type   |
| Size                 | FSD   |
| Net weight           | 4.00 kg ( 8.82 lb )   |
| Width                | 240.0 mm ( 9.45 in )  |
| Height               | 206.5 mm ( 8.13 in )  |
| Depth                | 172.5 mm ( 6.79 in )  |

### Connections

#### Max. motor cable length

|            |               |
|------------|---------------|
| Shielded   | 25 m (82 ft)  |
| Unshielded | 50 m (164 ft) |

### Inputs / outputs

#### Standard digital inputs

|        |   |
|--------|---|
| Number | 4 |
|--------|---|

#### Digital outputs

|                                    |   |
|------------------------------------|---|
| Number as relay changeover contact | 1 |
| Number as transistor               | 1 |

#### Analog inputs

|        |   |
|--------|---|
| Number | 2 (Can be used as additional digital input) |
|--------|---|

#### Analog outputs

|        |   |
|--------|---|
| Number | 1 |
|--------|---|