

### MLFB-Ordering data

6SL3210-5BE27-5UV0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data                        |                           | General tech. specifications                   |                                         |
|-----------------------------------|---------------------------|------------------------------------------------|-----------------------------------------|
| <b>Input</b>                      |                           | <b>Power factor <math>\lambda</math></b>       | 0.72                                    |
| <b>Number of phases</b>           | 3 AC                      | <b>Offset factor <math>\cos \varphi</math></b> | 0.95                                    |
| <b>Line voltage</b>               | 380 ... 480 V -15 % +10 % | <b>Efficiency <math>\eta</math></b>            | 0.98                                    |
| <b>Line frequency</b>             | 47 ... 63 Hz              | <b>Ambient conditions</b>                      |                                         |
| <b>Output</b>                     |                           | <b>Cooling</b>                                 | External fan                            |
| <b>Number of phases</b>           | 3 AC                      | <b>Installation altitude</b>                   | 1000 m (3281 ft)                        |
| <b>Rated voltage</b>              | 400 V                     | <b>Ambient temperature</b>                     |                                         |
| <b>Rated power (HO)</b>           | 7.50 kW / 10.00 hp        | <b>Operation</b>                               | -10 ... 60 °C (14 ... 140 °F)           |
| <b>Rated power (LO)</b>           | 7.50 kW / 10.00 hp        | <b>Storage</b>                                 | -40 ... 70 °C (-40 ... 158 °F)          |
| <b>Rated current (HO)</b>         | 16.50 A                   | <b>Relative humidity</b>                       |                                         |
| <b>Rated current (LO)</b>         | 16.50 A                   | <b>Max. operation</b>                          | 95 %                                    |
| <b>Rated current (HO) at 480V</b> | 16.50 A                   | <b>Communication</b>                           |                                         |
| <b>Rated current (LO) at 480V</b> | 16.50 A                   | <b>Communication</b>                           | USS, Modbus RTU                         |
| <b>Pulse frequency</b>            | 4.00 kHz                  | <b>Standards</b>                               |                                         |
| <b>Output frequency</b>           | 0 ... 550 Hz              | <b>Compliance with standards</b>               | CE, cULus, C-Tick (RCM), KC             |
|                                   |                           | <b>CE marking</b>                              | 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



Figure similar

### Mechanical data

|                      |                                                               |
|----------------------|---------------------------------------------------------------|
| Mounting position    | Through-hole mounting / wall mounting / side-by-side mounting |
| Degree of protection | IP20 / UL open type                                           |
| Size                 | FSD                                                           |
| Net weight           | 3.70 kg ( 8.16 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 |
|--------|---|