



Figure similar

### MLFB-Ordering data

6SL3210-5BB12-5UV1

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                                     |
| Number of phases   | 1 AC                      | <b>Offset factor <math>\cos \phi</math></b> | 0.95                                     |
| Line voltage       | 200 ... 240 V -15 % +10 % | <b>Efficiency <math>\eta</math></b>         | 0.98                                     |
| Line frequency     | 47 ... 63 Hz              | <b>Filter class (integrated)</b>            | Unfiltered                               |
| <b>Output</b>      |                           | <b>Ambient conditions</b>                   |  |
| Number of phases   | 3 AC                      | <b>Cooling</b>                              | convection cooling                       |
| Rated voltage      | 230 V                     | <b>Installation altitude</b>                | 1000 m (3281 ft)                         |
| Rated power (HO)   | 0.25 kW / 0.33 hp         | <b>Ambient temperature</b>                  |  |
| Rated power (LO)   | 0.25 kW / 0.25 hp         | <b>Operation</b>                            | -10 ... 60 °C (14 ... 140 °F)            |
| Rated current (HO) | 1.70 A                    | <b>Storage</b>                              | -40 ... 70 °C (-40 ... 158 °F)           |
| Rated current (LO) | 1.70 A                    | <b>Relative humidity</b>                    |  |
|                    |                           | <b>Max. operation</b>                       | 95 %                                     |
| Pulse frequency    | 8.00 kHz                  | <b>Communication</b>                        |  |
| Output frequency   | 0 ... 550 Hz              | <b>Communication</b>                        | USS, Modbus RTU                          |
|                    |                           | <b>Standards</b>                            |  |
|                    |                           | <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



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### Mechanical data

|                      |                                       |
|----------------------|---------------------------------------|
| Mounting position    | Wall mounting / side-by-side mounting |
| Degree of protection | IP20 / UL open type                   |
| Size                 | F5AA                                  |
| Net weight           | 0.70 kg ( 1.54 lb )                   |
| Width                | 68.0 mm ( 2.68 in )                   |
| Height               | 142.0 mm ( 5.59 in )                  |
| Depth                | 107.8 mm ( 4.24 in )                  |

### 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 |
|--------|---|

### Connections

#### Max. motor cable length

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