



Figure similar

MLFB-Ordering data

6SL3210-5BE24-0UV0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data | General tech. specifications | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------|-----------------------------|---------------------------|--|-------------------|---|------------------------|--------------------|---------------------------|--------------------|-------------------|----------------------------|---------------------------|----------------------------|--------|-----------------|----------|------------------|--------------|---|---------|--------------|-----------------------|------------------|---------------------|--|-----------|-------------------------------|---------|--------------------------------|-------------------|--|----------------|------|
| Input <table border="1"> <tr> <td>Number of phases</td> <td>3 AC</td> </tr> <tr> <td>Line voltage</td> <td>380 ... 480 V -15 % +10 %</td> </tr> <tr> <td>Line frequency</td> <td>47 ... 63 Hz</td> </tr> </table> | Number of phases | 3 AC | Line voltage | 380 ... 480 V -15 % +10 % | Line frequency | 47 ... 63 Hz | <table border="1"> <tr> <td>Power factor λ</td> <td>0.72</td> </tr> <tr> <td>Offset factor $\cos \phi$</td> <td>0.95</td> </tr> <tr> <td>Efficiency η</td> <td>0.98</td> </tr> <tr> <td>Filter class (integrated)</td> <td>Unfiltered</td> </tr> </table> | Power factor λ | 0.72 | Offset factor $\cos \phi$ | 0.95 | Efficiency η | 0.98 | Filter class (integrated) | Unfiltered | | | | | | | | | | | | | | | | | | | | |
| Number of phases | 3 AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Line voltage | 380 ... 480 V -15 % +10 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Line frequency | 47 ... 63 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power factor λ | 0.72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Offset factor $\cos \phi$ | 0.95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Efficiency η | 0.98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Filter class (integrated) | Unfiltered | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output <table border="1"> <tr> <td>Number of phases</td> <td>3 AC</td> </tr> <tr> <td>Rated voltage</td> <td>400 V</td> </tr> <tr> <td>Rated power (HO)</td> <td>4.00 kW / 5.00 hp</td> </tr> <tr> <td>Rated power (LO)</td> <td>4.00 kW / 5.00 hp</td> </tr> <tr> <td>Rated current (HO)</td> <td>8.80 A</td> </tr> <tr> <td>Rated current (LO)</td> <td>8.80 A</td> </tr> <tr> <td>Rated current (HO) at 480V</td> <td>8.20 A</td> </tr> <tr> <td>Rated current (LO) at 480V</td> <td>8.20 A</td> </tr> <tr> <td>Pulse frequency</td> <td>4.00 kHz</td> </tr> <tr> <td>Output frequency</td> <td>0 ... 550 Hz</td> </tr> </table> | Number of phases | 3 AC | Rated voltage | 400 V | Rated power (HO) | 4.00 kW / 5.00 hp | Rated power (LO) | 4.00 kW / 5.00 hp | Rated current (HO) | 8.80 A | Rated current (LO) | 8.80 A | Rated current (HO) at 480V | 8.20 A | Rated current (LO) at 480V | 8.20 A | Pulse frequency | 4.00 kHz | Output frequency | 0 ... 550 Hz | Ambient conditions <table border="1"> <tr> <td>Cooling</td> <td>External fan</td> </tr> <tr> <td>Installation altitude</td> <td>1000 m (3281 ft)</td> </tr> <tr> <td>Ambient temperature</td> <td></td> </tr> <tr> <td>Operation</td> <td>-10 ... 60 °C (14 ... 140 °F)</td> </tr> <tr> <td>Storage</td> <td>-40 ... 70 °C (-40 ... 158 °F)</td> </tr> <tr> <td>Relative humidity</td> <td></td> </tr> <tr> <td>Max. operation</td> <td>95 %</td> </tr> </table> | 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 % |
| Number of phases | 3 AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated voltage | 400 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated power (HO) | 4.00 kW / 5.00 hp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated power (LO) | 4.00 kW / 5.00 hp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (HO) | 8.80 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (LO) | 8.80 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (HO) at 480V | 8.20 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (LO) at 480V | 8.20 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pulse frequency | 4.00 kHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output frequency | 0 ... 550 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 <table border="1"> <tr> <td>Communication</td> <td>USS, Modbus RTU</td> </tr> </table> | Communication | USS, Modbus RTU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Communication | USS, Modbus RTU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Standards <table border="1"> <tr> <td>Compliance with standards</td> <td>CE, cULus, C-Tick (RCM), KC</td> </tr> <tr> <td>CE marking</td> <td>EN 61800-5-1 / EN 60204-1 and EN 61800-3</td> </tr> </table> | Compliance with standards | CE, cULus, C-Tick (RCM), KC | CE marking | EN 61800-5-1 / EN 60204-1 and EN 61800-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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



Figure similar

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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 | FSB |
| Net weight | 1.60 kg (3.53 lb) |
| Width | 140.0 mm (5.51 in) |
| Height | 160.0 mm (6.30 in) |
| Depth | 164.5 mm (6.48 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) |