

MLFB-Ordering data

6SL3210-5BE17-5UV0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data | General tech. specifications | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------------------------|-----------------------------|---------------------------|---|-------------------|--|------------------------|--------------------|---------------------------|--------------------|-------------------|----------------------------|---------------------------|----------------------------|--------|-----------------|----------|------------------|--------------|--|---------|--------------------|-----------------------|------------------|-----------|-------------------------------|---------|--------------------------------|----------------|------|
| Input <table> <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> <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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Output <table> <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>0.75 kW / 1.00 hp</td></tr> <tr> <td>Rated power (LO)</td><td>0.75 kW / 1.00 hp</td></tr> <tr> <td>Rated current (HO)</td><td>2.20 A</td></tr> <tr> <td>Rated current (LO)</td><td>2.20 A</td></tr> <tr> <td>Rated current (HO) at 480V</td><td>2.20 A</td></tr> <tr> <td>Rated current (LO) at 480V</td><td>2.20 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) | 0.75 kW / 1.00 hp | Rated power (LO) | 0.75 kW / 1.00 hp | Rated current (HO) | 2.20 A | Rated current (LO) | 2.20 A | Rated current (HO) at 480V | 2.20 A | Rated current (LO) at 480V | 2.20 A | Pulse frequency | 4.00 kHz | Output frequency | 0 ... 550 Hz | Ambient conditions <table> <tr> <td>Cooling</td><td>convection cooling</td></tr> <tr> <td>Installation altitude</td><td>1000 m (3281 ft)</td></tr> </table> Ambient temperature <table> <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> </table> Relative humidity <table> <tr> <td>Max. operation</td><td>95 %</td></tr> </table> | Cooling | convection cooling | Installation altitude | 1000 m (3281 ft) | Operation | -10 ... 60 °C (14 ... 140 °F) | Storage | -40 ... 70 °C (-40 ... 158 °F) | Max. operation | 95 % |
| Number of phases | 3 AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated voltage | 400 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated power (HO) | 0.75 kW / 1.00 hp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated power (LO) | 0.75 kW / 1.00 hp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (HO) | 2.20 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (LO) | 2.20 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (HO) at 480V | 2.20 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (LO) at 480V | 2.20 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pulse frequency | 4.00 kHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output frequency | 0 ... 550 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cooling | convection cooling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation altitude | 1000 m (3281 ft) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation | -10 ... 60 °C (14 ... 140 °F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage | -40 ... 70 °C (-40 ... 158 °F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. operation | 95 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Communication <table> <tr> <td>Communication</td><td>USS, Modbus RTU</td></tr> </table> | Communication | USS, Modbus RTU | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Communication | USS, Modbus RTU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Standards <table> <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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 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

Mechanical data

| | |
|----------------------|---------------------------------------|
| Mounting position | Wall mounting / side-by-side mounting |
| Degree of protection | IP20 / UL open type |
| Size | FSA |
| Net weight | 0.90 kg (1.98 lb) |
| Width | 90.0 mm (3.54 in) |
| Height | 150.0 mm (5.91 in) |
| Depth | 145.5 mm (5.73 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 | 10 m (33 ft) |
| Unshielded | 50 m (164 ft) |