

MLFB-Ordering data

6SL3210-5BE31-8CV0

Figure similar

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) | 18.50 kW / 25.00 hp |
| Rated power (LO) | 22.00 kW / 30.00 hp |
| Rated current (HO) | 38.00 A |
| Rated current (LO) | 45.00 A |
| Rated current (HO) at 480V | 34.00 A |
| Rated current (LO) at 480V | 40.00 A |
| Pulse frequency | 4.00 kHz |
| Output frequency | 0 ... 550 Hz |

General tech. specifications

| | |
|------------------------------|---------|
| Power factor λ | 0.72 |
| Offset factor $\cos \varphi$ | 0.95 |
| Efficiency η | 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 | FSE |
| Net weight | 6.79 kg (14.97 lb) |
| Width | 245.0 mm (9.65 in) |
| Height | 264.5 mm (10.41 in) |
| Depth | 209.0 mm (8.23 in) |

Connections

Max. motor cable length

| | |
|------------|----------------|
| Shielded | 50 m (164 ft) |
| Unshielded | 100 m (328 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 |
|--------|---|