



Figure similar

MLFB-Ordering data

6SL3210-5BE13-7UV0

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) | 0.37 kW / 0.50 hp |
| Rated power (LO) | 0.37 kW / 0.50 hp |
| Rated current (HO) | 1.30 A |
| Rated current (LO) | 1.30 A |
| Rated current (HO) at 480V | 1.30 A |
| Rated current (LO) at 480V | 1.30 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) | Unfiltered |

Ambient conditions

| | |
|-----------------------|--------------------------------|
| Cooling | convection cooling |
| 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



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 |
|--------|---|

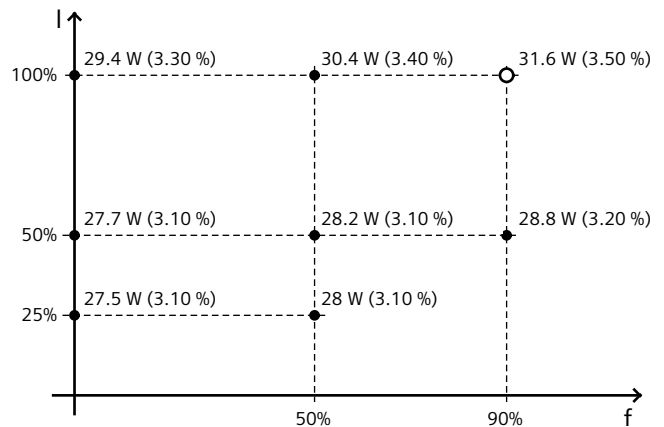
Connections

Max. motor cable length

| | |
|------------|---------------|
| Shielded | 10 m (33 ft) |
| Unshielded | 50 m (164 ft) |

Converter losses to IEC61800-9-2*

| | |
|--|---------|
| Efficiency class | IE2 |
| Comparison with the reference converter (90% / 100%) | 20.80 % |



The percentage values show the losses in relation to the rated apparent power of the converter.

The diagram shows the losses for the points (as per standard IEC61800-9-2) of the relative torque generating current (I) over the relative motor stator frequency(f). The values are valid for the basic version of the converter without options/components.

*converted values