



Figure similar

### MLFB-Ordering data

6SL3210-5BE31-5UV0

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)	15.00 kW / 20.00 hp
Rated power (LO)	15.00 kW / 20.00 hp
Rated current (HO)	31.00 A
Rated current (LO)	31.00 A
Rated current (HO) at 480V	31.00 A
Rated current (LO) at 480V	31.00 A
Pulse frequency	4.00 kHz
Output frequency	0 ... 550 Hz

### General tech. specifications

Power factor $\lambda$	0.72
Offset factor $\cos \phi$	0.95
Efficiency $\eta$	0.98
Filter class (integrated)	Unfiltered

### 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 %
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### Communication

Communication	USS, Modbus RTU
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### 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	Through-hole mounting / wall mounting / side-by-side mounting
Degree of protection	IP20 / UL open type
Size	FSD
Net weight	3.90 kg ( 8.60 lb )
Width	240.0 mm ( 9.45 in )
Height	206.5 mm ( 8.13 in )
Depth	172.5 mm ( 6.79 in )

### Inputs / outputs

#### Standard digital inputs

Number	4
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#### Digital outputs

Number as relay changeover contact	1
Number as transistor	1

#### Analog inputs

Number	2 (Can be used as additional digital input)
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#### Analog outputs

Number	1
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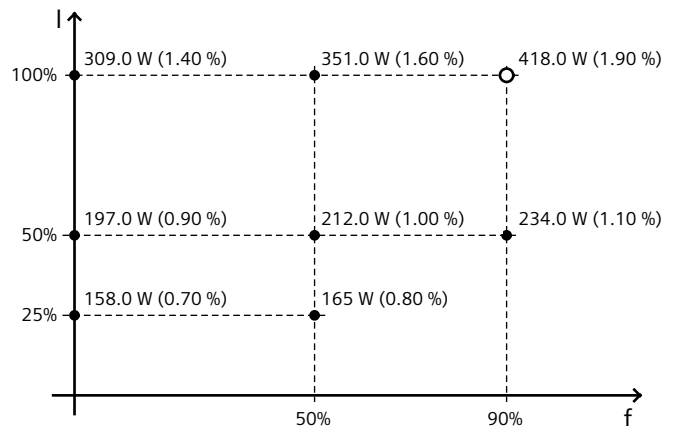
### Connections

#### Max. motor cable length

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

### Converter losses to IEC61800-9-2\*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	37.60 %



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