

MLFB-Ordering data

6SL3517-1BE16-3AM0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data   |                          | General tech. specifications                   |                                     |
|--|--------------------------|--|-------------------------------------|
| <b>Input</b>   |                          | <b>Power factor <math>\lambda</math></b>       | 0.95                                |
| Number of phases   | 3 AC                     | <b>Offset factor <math>\cos \varphi</math></b> | 0.95                                |
| Line voltage   | 380 ... 480 V $\pm 10\%$ | <b>Efficiency <math>\eta</math></b>            | 0.98                                |
| Line frequency   | 47 ... 63 Hz             | <b>Power loss</b>                              | 0.053 kW                            |
| Rated current (HO)   | 5.30 A                   | <b>Ambient conditions</b>                      |                                     |
| <b>Output</b>  |                          | <b>Cooling</b>                                 | Forced ventilation                  |
| Number of phases   | 3 AC                     | <b>Cooling air requirement</b>                 | 0.0240 m <sup>3</sup> /s            |
| Rated voltage  | 400 V                    | <b>Installation altitude</b>                   | 1000 m                              |
| Rated power (HO)   | 2.20 kW / 3.00 hp        | <b>Ambient temperature</b>                     |                                     |
| Rated current (HO)   | 5.60 A                   | <b>Operation</b>                               | -10 ... 40 °C (14 ... 104 °F)       |
| Max. output voltage  | 0 ... 87 % Input voltage | <b>Transport</b>                               | -40 ... 70 °C (-40 ... 158 °F)      |
| Max. output current  | 11.20 A                  | <b>Storage</b>                                 | -40 ... 70 °C (-40 ... 158 °F)      |
| Pulse frequency  | 4 kHz                    | <b>Relative humidity</b>                       |                                     |
| Output frequency for vector control  | 0 ... 200 Hz             | <b>Max. operation</b>                          | 95 % RH, condensation not permitted |
| Output frequency for V/f control   | 0 ... 550 Hz             |  |                                     |
| <p>In firmware V4.7 and higher, due to legal requirements, the maximum output frequency is restricted to 550 Hz.</p> |                          |  |                                     |

### Overload capability

#### High Overload (HO)

2 × rated output current during 3 s, followed by 1.5 × rated output current during 57 s, during a cycle time of 300 s (110 % on average)

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### Mechanical data

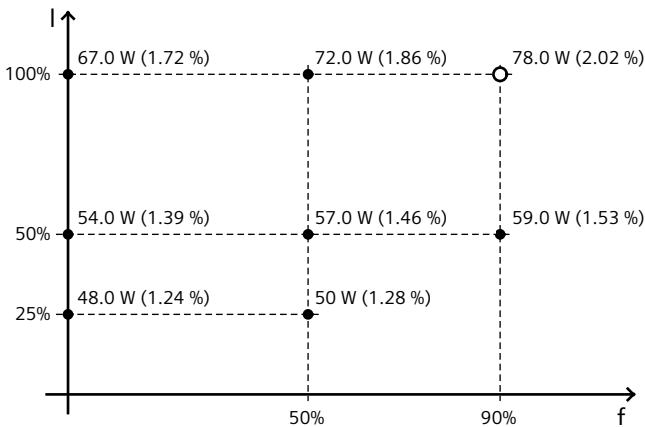
|                      |          |
|----------------------|----------|
| Degree of protection | IP66     |
| Size                 | FSB      |
| Net weight           | 3.40 kg  |
| Width                | 181.0 mm |
| Height               | 135.0 mm |
| Depth                | 309.0 mm |

### Standards

|                           |                                  |
|---------------------------|----------------------------------|
| Compliance with standards | UL, cUL, CE, C-Tick (RCM)        |
| CE marking                | Low-voltage directive 2006/95/EC |

### Converter losses to EN 50598-2\*

|  |          |
|--|----------|
| Efficiency class                                     | IE2      |
| Comparison with the reference converter (90% / 100%) | -71.94 % |



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 EN 50598) 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