

MLFB-Ordering data

6SL3517-1BE11-3AM0



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 ± 10 %</td></tr> <tr> <td>Line frequency</td><td>47 ... 63 Hz</td></tr> <tr> <td>Rated current (HO)</td><td>1.30 A</td></tr> </table> | Number of phases | 3 AC | Line voltage | 380 ... 480 V ± 10 % | Line frequency | 47 ... 63 Hz | Rated current (HO) | 1.30 A | <table> <tr> <td>Power factor λ</td><td>0.95</td></tr> <tr> <td>Offset factor $\cos \varphi$</td><td>0.95</td></tr> <tr> <td>Efficiency η</td><td>0.97</td></tr> <tr> <td>Power loss</td><td>0.012 kW</td></tr> </table> | Power factor λ | 0.95 | Offset factor $\cos \varphi$ | 0.95 | Efficiency η | 0.97 | Power loss | 0.012 kW | | | | | | | | | | | | | | | | |
| Number of phases | 3 AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Line voltage | 380 ... 480 V ± 10 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Line frequency | 47 ... 63 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (HO) | 1.30 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power factor λ | 0.95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Offset factor $\cos \varphi$ | 0.95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Efficiency η | 0.97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power loss | 0.012 kW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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>0.37 kW / 0.50 hp</td></tr> <tr> <td>Rated current (HO)</td><td>1.30 A</td></tr> <tr> <td>Max. output voltage</td><td>0 ... 87 % Input voltage</td></tr> <tr> <td>Max. output current</td><td>2.60 A</td></tr> <tr> <td>Pulse frequency</td><td>4 kHz</td></tr> <tr> <td>Output frequency for vector control</td><td>0 ... 200 Hz</td></tr> <tr> <td>Output frequency for V/f control</td><td>0 ... 550 Hz</td></tr> </table> <p>In firmware V4.7 and higher, due to legal requirements, the maximum output frequency is restricted to 550 Hz.</p> | Number of phases | 3 AC | Rated voltage | 400 V | Rated power (HO) | 0.37 kW / 0.50 hp | Rated current (HO) | 1.30 A | Max. output voltage | 0 ... 87 % Input voltage | Max. output current | 2.60 A | Pulse frequency | 4 kHz | Output frequency for vector control | 0 ... 200 Hz | Output frequency for V/f control | 0 ... 550 Hz | Ambient conditions <table> <tr> <td>Cooling</td><td>Forced ventilation</td></tr> <tr> <td>Cooling air requirement</td><td>0.0048 m³/s</td></tr> <tr> <td>Installation altitude</td><td>1000 m</td></tr> </table> Ambient temperature <table> <tr> <td>Operation</td><td>-10 ... 40 °C (14 ... 104 °F)</td></tr> <tr> <td>Transport</td><td>-40 ... 70 °C (-40 ... 158 °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 % RH, condensation not permitted</td></tr> </table> | Cooling | Forced ventilation | Cooling air requirement | 0.0048 m ³ /s | Installation altitude | 1000 m | Operation | -10 ... 40 °C (14 ... 104 °F) | Transport | -40 ... 70 °C (-40 ... 158 °F) | Storage | -40 ... 70 °C (-40 ... 158 °F) | Max. operation | 95 % RH, condensation not permitted |
| Number of phases | 3 AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated voltage | 400 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated power (HO) | 0.37 kW / 0.50 hp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (HO) | 1.30 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. output voltage | 0 ... 87 % Input voltage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. output current | 2.60 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pulse frequency | 4 kHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output frequency for vector control | 0 ... 200 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output frequency for V/f control | 0 ... 550 Hz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cooling | Forced ventilation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cooling air requirement | 0.0048 m ³ /s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation altitude | 1000 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation | -10 ... 40 °C (14 ... 104 °F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transport | -40 ... 70 °C (-40 ... 158 °F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage | -40 ... 70 °C (-40 ... 158 °F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. operation | 95 % RH, condensation not permitted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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)

SIEMENS

Data sheet for SINAMICS G110M Power Module PM240M

MLFB-Ordering data 6SL3517-1BE11-3AM0

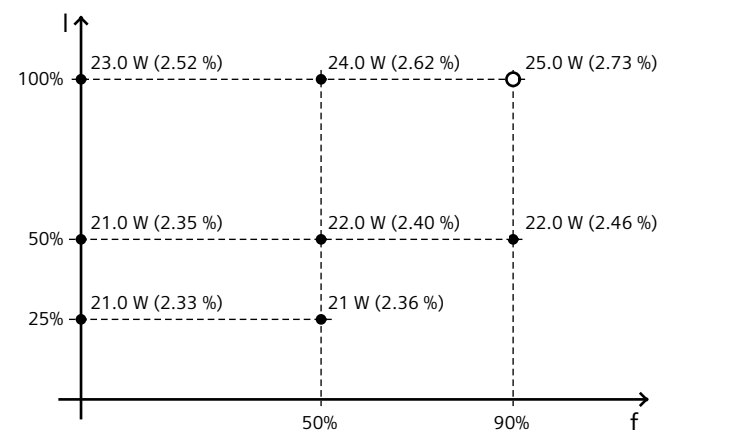


Figure similar

| Mechanical data | | Standards | |
|----------------------|----------|---------------------------|----------------------------------|
| Degree of protection | IP66 | Compliance with standards | UL, cUL, CE, C-Tick (RCM) |
| Size | FSA | | |
| Net weight | 2.10 kg | CE marking | Low-voltage directive 2006/95/EC |
| Width | 161.0 mm | | |
| Height | 135.0 mm | | |
| Depth | 270.0 mm | | |

Converter losses to EN 50598-2*

| | |
|--|----------|
| Efficiency class | IE2 |
| Comparison with the reference converter (90% / 100%) | -83.79 % |



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