



Figure similar

### MLFB-Ordering data

6SL3210-1NE23-2AG1

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>       | 0.90                                               |
| 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>            | 0.97                                               |
| Line frequency                      | 47 ... 63 Hz             | <b>Sound pressure level (1m)</b>               | 65 dB                                              |
| Rated current (LO)                  | 33.10 A                  | <b>Power loss</b>                              | 0.35 kW                                            |
| Rated current (HO)                  | 27.00 A                  | <b>Ambient conditions</b>                      |                                                    |
| <b>Output</b>                       |                          | <b>Cooling</b>                                 | Internal air cooling                               |
| Number of phases                    | 3 AC                     | <b>Cooling air requirement</b>                 | 0.019 m <sup>3</sup> /s (0.671 ft <sup>3</sup> /s) |
| Rated voltage                       | 400 V                    | <b>Installation altitude</b>                   | 1000 m (3280.84 ft)                                |
| Rated current (LO)                  | 32.00 A                  | <b>Ambient temperature</b>                     |                                                    |
| Rated current (HO)                  | 26.00 A                  | <b>Operation LO</b>                            | -10 ... 40 °C (14 ... 104 °F)                      |
| Max. output current                 | 52.00 A                  | <b>Operation HO</b>                            | -10 ... 50 °C (14 ... 122 °F)                      |
| Rated power IEC 400V (LO)           | 15.00 kW                 | <b>Transport</b>                               | -40 ... 70 °C (-40 ... 158 °F)                     |
| Rated power NEC 480V (LO)           | 20.00 hp                 | <b>Storage</b>                                 | -40 ... 70 °C (-40 ... 158 °F)                     |
| Rated power IEC 400V (HO)           | 11.00 kW                 | <b>Relative humidity</b>                       |                                                    |
| Rated power NEC 480V (HO)           | 15.00 hp                 | <b>Max. operation</b>                          | 95 % RH, condensation not permitted                |
| Pulse frequency                     | 4 kHz                    |                                                |                                                    |
| Output frequency for vector control | 0 ... 200 Hz             |                                                |                                                    |
| Output frequency for V/f control    | 0 ... 550 Hz             |                                                |                                                    |

### Overload capability

#### Low Overload (LO)

1.1 x rated output current (i.e. 110 % overload) for 57 s with a cycle time of 300 s 1.5 x rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s

#### High Overload (HO)

1.5 x output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2 x output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s

SIEMENS

Data sheet for SINAMICS Power Module PM230

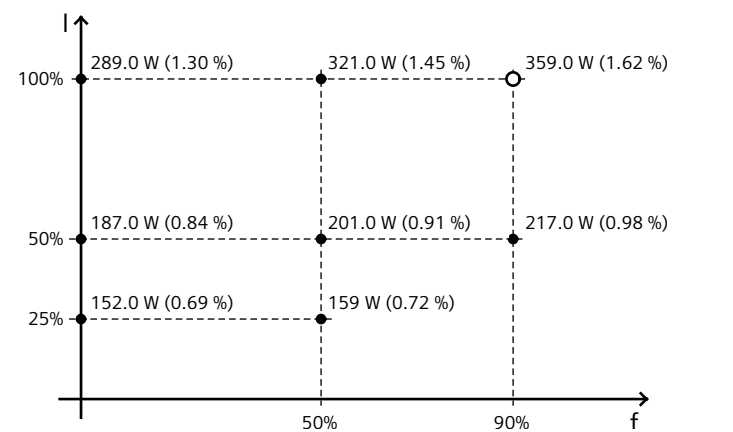
MLFB-Ordering data

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| Mechanical data      | Connections             |
|----------------------|-------------------------|
| Degree of protection | Line side               |
| Size                 | Version                 |
| Net weight           | Conductor cross-section |
| Width                | Motor end               |
| Height               | Version                 |
| Depth                | Conductor cross-section |

| Converter losses to EN 50598-2*                      |          |
|------------------------------------------------------|----------|
| Efficiency class                                     | IE2      |
| Comparison with the reference converter (90% / 100%) | -68.73 % |



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

| Max. motor cable length |                   |
|-------------------------|-------------------|
| Shielded                | 25 m (82.02 ft)   |
| Unshielded              | 100 m (328.08 ft) |

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