

### MLFB-Ordering data

6SL3225-0BE33-0UA0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | General tech. specifications                       |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------|---------------|--------------------------|--------------------|--------------|--------------------|---------|---------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|------------------------------|---------------------------|-------------------|---------------------------|---------------------------|-----------------|------------|-------------------------------------|---------------------------|----------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------|-------------------------|----------------------------------------------------|-----------------------|---------------------|--------------|-----------------------------|--------------|-----------------------------|-----------|--------------------------------|---------|--------------------------------|----------------|-------------------------------------|
| <b>Input</b> <table> <tr> <td>Number of phases</td><td>3 AC</td></tr> <tr> <td>Line voltage</td><td>380 ... 480 V <math>\pm 10</math> %</td></tr> <tr> <td>Line frequency</td><td>47 ... 63 Hz</td></tr> <tr> <td>Rated current (LO)</td><td>70.00 A</td></tr> <tr> <td>Rated current (HO)</td><td>56.00 A</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                    | Number of phases                                   | 3 AC | Line voltage  | 380 ... 480 V $\pm 10$ % | Line frequency     | 47 ... 63 Hz | Rated current (LO) | 70.00 A | Rated current (HO)  | 56.00 A  | <table> <tr> <td>Power factor <math>\lambda</math></td><td>0.90</td></tr> <tr> <td>Offset factor <math>\cos \varphi</math></td><td>0.95</td></tr> <tr> <td>Efficiency <math>\eta</math></td><td>0.97</td></tr> <tr> <td>Sound pressure level (1m)</td><td>60 dB</td></tr> <tr> <td>Power loss</td><td>0.99 kW</td></tr> <tr> <td>Filter class (integrated)</td><td>-</td></tr> </table> | Power factor $\lambda$ | 0.90                      | Offset factor $\cos \varphi$ | 0.95                      | Efficiency $\eta$ | 0.97                      | Sound pressure level (1m) | 60 dB           | Power loss | 0.99 kW                             | Filter class (integrated) | -                                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Number of phases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 AC                                               |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Line voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 380 ... 480 V $\pm 10$ %                           |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Line frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 47 ... 63 Hz                                       |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Rated current (LO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 70.00 A                                            |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Rated current (HO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 56.00 A                                            |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Power factor $\lambda$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.90                                               |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Offset factor $\cos \varphi$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.95                                               |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Efficiency $\eta$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.97                                               |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Sound pressure level (1m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 60 dB                                              |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Power loss                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.99 kW                                            |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Filter class (integrated)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                  |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| <b>Output</b> <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 current (LO)</td><td>75.00 A</td></tr> <tr> <td>Rated current (HO)</td><td>60.00 A</td></tr> <tr> <td>Max. output current</td><td>120.00 A</td></tr> <tr> <td>Rated power IEC 400V (LO)</td><td>37.00 kW</td></tr> <tr> <td>Rated power NEC 480V (LO)</td><td>50.00 hp</td></tr> <tr> <td>Rated power IEC 400V (HO)</td><td>30.00 kW</td></tr> <tr> <td>Rated power NEC 480V (HO)</td><td>40.00 hp</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> | Number of phases                                   | 3 AC | Rated voltage | 400 V                    | Rated current (LO) | 75.00 A      | Rated current (HO) | 60.00 A | Max. output current | 120.00 A | Rated power IEC 400V (LO)                                                                                                                                                                                                                                                                                                                                                               | 37.00 kW               | Rated power NEC 480V (LO) | 50.00 hp                     | Rated power IEC 400V (HO) | 30.00 kW          | Rated power NEC 480V (HO) | 40.00 hp                  | Pulse frequency | 4 kHz      | Output frequency for vector control | 0 ... 200 Hz              | Output frequency for V/f control | 0 ... 550 Hz | <b>Ambient conditions</b> <table> <tr> <td>Cooling</td><td>Internal air cooling</td></tr> <tr> <td>Cooling air requirement</td><td>0.022 m<sup>3</sup>/s (0.777 ft<sup>3</sup>/s)</td></tr> <tr> <td>Installation altitude</td><td>1000 m (3280.84 ft)</td></tr> </table> <b>Ambient temperature</b> <table> <tr> <td>Operation LO</td><td>0 ... 40 °C (32 ... 104 °F)</td></tr> <tr> <td>Operation HO</td><td>0 ... 50 °C (32 ... 122 °F)</td></tr> <tr> <td>Transport</td><td>-25 ... 55 °C (-13 ... 131 °F)</td></tr> <tr> <td>Storage</td><td>-25 ... 55 °C (-13 ... 131 °F)</td></tr> </table> <b>Relative humidity</b> <table> <tr> <td>Max. operation</td><td>95 % RH, condensation not permitted</td></tr> </table> | Cooling | Internal air cooling | Cooling air requirement | 0.022 m <sup>3</sup> /s (0.777 ft <sup>3</sup> /s) | Installation altitude | 1000 m (3280.84 ft) | Operation LO | 0 ... 40 °C (32 ... 104 °F) | Operation HO | 0 ... 50 °C (32 ... 122 °F) | Transport | -25 ... 55 °C (-13 ... 131 °F) | Storage | -25 ... 55 °C (-13 ... 131 °F) | Max. operation | 95 % RH, condensation not permitted |
| Number of phases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 AC                                               |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Rated voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 400 V                                              |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Rated current (LO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 75.00 A                                            |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Rated current (HO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 60.00 A                                            |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Max. output current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 120.00 A                                           |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Rated power IEC 400V (LO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 37.00 kW                                           |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Rated power NEC 480V (LO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 50.00 hp                                           |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Rated power IEC 400V (HO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30.00 kW                                           |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Rated power NEC 480V (HO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 40.00 hp                                           |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Pulse frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 kHz                                              |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Output frequency for vector control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0 ... 200 Hz                                       |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Output frequency for V/f control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 ... 550 Hz                                       |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Cooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal air cooling                               |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Cooling air requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.022 m <sup>3</sup> /s (0.777 ft <sup>3</sup> /s) |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Installation altitude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1000 m (3280.84 ft)                                |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Operation LO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0 ... 40 °C (32 ... 104 °F)                        |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Operation HO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0 ... 50 °C (32 ... 122 °F)                        |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Transport                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -25 ... 55 °C (-13 ... 131 °F)                     |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -25 ... 55 °C (-13 ... 131 °F)                     |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |
| Max. operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 95 % RH, condensation not permitted                |      |               |                          |                    |              |                    |         |                     |          |                                                                                                                                                                                                                                                                                                                                                                                         |                        |                           |                              |                           |                   |                           |                           |                 |            |                                     |                           |                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |                         |                                                    |                       |                     |              |                             |              |                             |           |                                |         |                                |                |                                     |

### 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 PM250

MLFB-Ordering data

6SL3225-0BE33-0UA0



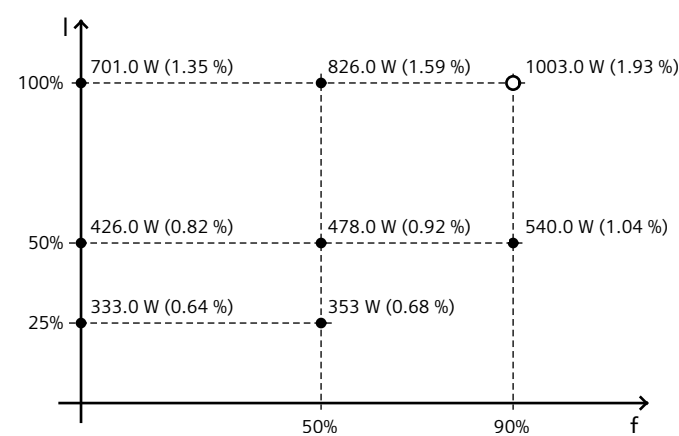
Figure similar

| Mechanical data      |                     | Connections             |                                       |
|----------------------|---------------------|-------------------------|---------------------------------------|
| Degree of protection | IP20 / UL open type | Line side               |                                       |
| Size                 | FSE                 | Version                 | M6 bolt                               |
| Net weight           | 14.00 kg (30.86 lb) | Conductor cross-section | 10.00 ... 50.00 mm² (AWG 8 ... AWG 1) |
| Width                | 275 mm (10.83 in)   | Motor end               |                                       |
| Height               | 499 mm (19.65 in)   | Version                 | M6 bolt                               |
| Depth                | 204 mm (8.03 in)    | Conductor cross-section | 10.00 ... 50.00 mm² (AWG 8 ... AWG 1) |

| Converter losses to EN 50598-2* |     |
|---------------------------------|-----|
| Efficiency class                | IE2 |

Comparison with the reference converter (90% / 100%)

-59.71 %



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                | 50 m (164.04 ft)  |
| Unshielded              | 100 m (328.08 ft) |

| Standards                 |                  |
|---------------------------|------------------|
| Compliance with standards | CE, C-Tick (RCM) |

CE marking

Low-voltage directive 2006/95/EC