



Figure similar

### MLFB-Ordering data

6SE6440-2AD37-5FA1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data                       |                          | General tech. specifications |               |
|----------------------------------|--------------------------|------------------------------|---------------|
| <b>Input</b>                     |                          | Power factor $\lambda$       | 0.95          |
| Number of phases                 | 3 AC                     | Efficiency $\eta$            | 0.96          |
| Line voltage                     | 380 ... 480 V $\pm 10\%$ | <b>Ambient conditions</b>    |               |
| Line frequency                   | 47 ... 63 Hz             | Cooling                      | Fan           |
| Rated current (LO)               | 169.00 A                 | <b>Ambient temperature</b>   |               |
| Rated current (HO)               | 139.00 A                 | Operation (LO)               | -10 ... 40 °C |
| <b>Output</b>                    |                          | Operation (HO)               | -10 ... 50 °C |
| Number of phases                 | 3 AC                     | Transport                    | -40 ... 70 °C |
| Rated voltage                    | 480 V                    | Storage                      | -40 ... 70 °C |
| Rated power (LO)                 | 90.00 kW / 125.00 hp     |                              |               |
| Rated power (HO)                 | 75.00 kW / 100.00 hp     |                              |               |
| Rated current (LO)               | 178.00 A                 |                              |               |
| Rated current (HO)               | 145.00 A                 |                              |               |
| Pulse frequency                  | 4000 Hz                  |                              |               |
| Output frequency for V/f control | 0 ... 650 Hz             |                              |               |

As a result of legal stipulations, a limit to 550 Hz is in production

### Overload capability

#### Low Overload (LO)

140 % output current for 3 s, followed by 110 % output current for 57 s followed by 100 % output current for 240 s in a 300 s cycle time

#### High Overload (HO)

150 % output current for 60 s, followed by 100 % output current for 240 s in a 300 s cycle time



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### Mechanical data

|                      |                     |
|----------------------|---------------------|
| Degree of protection | IP20 / UL open type |
| Size                 | FSF                 |
| Net weight           | 75.00 kg            |
| Width                | 350.0 mm            |
| Height               | 1150.0 mm           |
| Depth                | 320.0 mm            |

### Connections

#### Motor end

|                         |                        |
|-------------------------|------------------------|
| Conductor cross-section | 150.00 mm <sup>2</sup> |
|-------------------------|------------------------|

### Inputs / outputs

#### Standard digital inputs

|        |   |
|--------|---|
| Number | 6 |
|--------|---|

#### Relay output

|        |   |
|--------|---|
| Number | 3 |
|--------|---|

#### Analog inputs

|        |   |
|--------|---|
| Number | 2 |
|--------|---|

#### Analog outputs

|        |   |
|--------|---|
| Number | 2 |
|--------|---|

#### PTC/ KTY interface

|        |   |
|--------|---|
| Number | 1 |
|--------|---|