



Figure similar

### MLFB-Ordering data

6SE6440-2AD31-8DA1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Rated data

#### Input

|                    |                          |
|--------------------|--------------------------|
| Number of phases   | 3 AC                     |
| Line voltage       | 380 ... 480 V $\pm$ 10 % |
| Line frequency     | 47 ... 63 Hz             |
| Rated current (LO) | 43.00 A                  |
| Rated current (HO) | 37.00 A                  |

#### Output

|                                  |                     |
|----------------------------------|---------------------|
| Number of phases                 | 3 AC                |
| Rated voltage                    | 480 V               |
| Rated power (LO)                 | 22.00 kW / 30.00 hp |
| Rated power (HO)                 | 18.50 kW / 25.00 hp |
| Rated current (LO)               | 45.00 A             |
| Rated current (HO)               | 38.00 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

### General tech. specifications

|                        |      |
|------------------------|------|
| Power factor $\lambda$ | 0.95 |
| Efficiency $\eta$      | 0.96 |

### Ambient conditions

|         |     |
|---------|-----|
| Cooling | Fan |
|---------|-----|

#### Ambient temperature

|                |               |
|----------------|---------------|
| Operation (LO) | -10 ... 40 °C |
| Operation (HO) | -10 ... 50 °C |
| Transport      | -40 ... 70 °C |
| Storage        | -40 ... 70 °C |

### 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                 | FSD                 |
| Net weight           | 17.00 kg            |
| Width                | 275.0 mm            |
| Height               | 520.0 mm            |
| Depth                | 245.0 mm            |

### Connections

#### Motor end

|                         |                       |
|-------------------------|-----------------------|
| Conductor cross-section | 35.00 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 |
|--------|---|