



Figure similar

### MLFB-Ordering data

6SE6440-2UC31-8EA1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

| Rated data                              |                          | General tech. specifications             |               |
|-----------------------------------------|--------------------------|------------------------------------------|---------------|
| <b>Input</b>                            |                          | <b>Power factor <math>\lambda</math></b> | 0.95          |
| <b>Number of phases</b>                 | 3 AC                     | <b>Efficiency <math>\eta</math></b>      | 0.96          |
| <b>Line voltage</b>                     | 200 ... 240 V $\pm 10$ % | <b>Ambient conditions</b>                |               |
| <b>Line frequency</b>                   | 47 ... 63 Hz             | <b>Cooling</b>                           | Fan           |
| <b>Rated current (LO)</b>               | 71.00 A                  | <b>Ambient temperature</b>               |               |
| <b>Rated current (HO)</b>               | 62.00 A                  | <b>Operation (LO)</b>                    | -10 ... 40 °C |
| <b>Output</b>                           |                          | <b>Operation (HO)</b>                    | -10 ... 50 °C |
| <b>Number of phases</b>                 | 3 AC                     | <b>Transport</b>                         | -40 ... 70 °C |
| <b>Rated voltage</b>                    | 240 V                    | <b>Storage</b>                           | -40 ... 70 °C |
| <b>Rated power (LO)</b>                 | 22.00 kW / 30.00 hp      |                                          |               |
| <b>Rated power (HO)</b>                 | 18.50 kW / 25.00 hp      |                                          |               |
| <b>Rated current (LO)</b>               | 80.00 A                  |                                          |               |
| <b>Rated current (HO)</b>               | 68.00 A                  |                                          |               |
| <b>Pulse frequency</b>                  | 4000 Hz                  |                                          |               |
| <b>Output frequency for V/f control</b> | 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



Figure similar

### Mechanical data

|                      |                     |
|----------------------|---------------------|
| Degree of protection | IP20 / UL open type |
| Frame size           | FSE                 |
| Net weight           | 20.00 kg            |
| Width                | 275.0 mm            |
| Height               | 650.0 mm            |
| Depth                | 245.0 mm            |

### Connections

#### Motor end

|                         |           |
|-------------------------|-----------|
| Conductor cross-section | 35.00 mm² |
|-------------------------|-----------|

### Inputs / outputs

#### Standard digital inputs

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

#### Relay output

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

#### Analog inputs

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

#### Analog outputs

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

#### PTC/ KTY interface

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