



Figure similar

### MLFB-Ordering data

6SE6440-2UD37-5FA1

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>                     | 380 ... 480 V $\pm 10$ % | <b>Ambient conditions</b>                |               |
| <b>Line frequency</b>                   | 47 ... 63 Hz             | <b>Cooling</b>                           | Fan           |
| <b>Rated current (LO)</b>               | 169.00 A                 | <b>Ambient temperature</b>               |               |
| <b>Rated current (HO)</b>               | 139.00 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>                    | 480 V                    | <b>Storage</b>                           | -40 ... 70 °C |
| <b>Rated power (LO)</b>                 | 90.00 kW / 125.00 hp     |  |               |
| <b>Rated power (HO)</b>                 | 75.00 kW / 100.00 hp     |  |               |
| <b>Rated current (LO)</b>               | 178.00 A                 |  |               |
| <b>Rated current (HO)</b>               | 145.00 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

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| Mechanical data         |          | Connections             |            |
|-------------------------|----------|-------------------------|------------|
| Degree of protection    | IP20     | Motor end               |            |
| Size                    | FSF      | Conductor cross-section | 150.00 mm² |
| Net weight              | 56.00 kg |                         |            |
| Width                   | 350.0 mm |                         |            |
| Height                  | 850.0 mm |                         |            |
| Depth                   | 320.0 mm |                         |            |
| Inputs / outputs        |          |                         |            |
| Standard digital inputs |          |                         |            |
| Number                  | 6        |                         |            |
| Relay output            |          |                         |            |
| Number                  | 3        |                         |            |
| Analog inputs           |          |                         |            |
| Number                  | 2        |                         |            |
| Analog outputs          |          |                         |            |
| Number                  | 2        |                         |            |
| PTC/ KTY interface      |          |                         |            |
| Number                  | 1        |                         |            |