

Data sheet for MICROMASTER 420

Figure similar

## MLFB-Ordering data

6SE6420-2UD17-5AA1

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           |
| <b>Rated current (HO)</b>        |                          | <b>Ambient temperature</b>   |               |
|                                  | 3.70 A                   | Operation (HO)               | -10 ... 50 °C |
| <b>Output</b>                    |                          | Transport                    | -40 ... 70 °C |
| Number of phases                 | 3 AC                     | Storage                      | -40 ... 70 °C |
| Rated voltage                    | 480 V                    |                              |               |
| Rated power (HO)                 | 0.75 kW / 1.00 hp        |                              |               |
| Rated current (HO)               | 2.10 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**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           | FSA                 |
| Net weight           | 1.00 kg             |
| Width                | 73.0 mm             |
| Height               | 173.0 mm            |
| Depth                | 149.0 mm            |

### Connections

#### Motor end

|                         |                      |
|-------------------------|----------------------|
| Conductor cross-section | 2.50 mm <sup>2</sup> |
|-------------------------|----------------------|

### Inputs / outputs

#### Standard digital inputs

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

#### Relay output

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

#### Analog inputs

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

#### Analog outputs

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