

MLFB-Ordering data

6SL3544-0LB02-1FA0

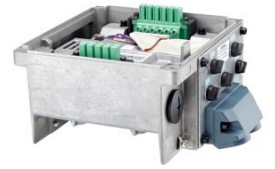


Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Electrical data

Operating voltage via

| | |
|------------------------|----------------|
| External power supply | DC 20 ... 28 V |
| Max. power consumption | 0.29 A |

Inputs / outputs

Standard digital inputs

| | |
|----------------------|------|
| Number | 4 |
| Switching level: 0→1 | 11 V |
| Switching level: 1→0 | 5 V |

Fail-safe digital inputs

| | |
|--------|----------------------------|
| Number | 1 (Use of 2 × DI Standard) |
|--------|----------------------------|

Digital outputs

| | |
|------------------------------------|---|
| Number as relay changeover contact | 0 |
|------------------------------------|---|

Analog / digital inputs

| | |
|--------|--------------------|
| Number | 2 (unipolar input) |
|--------|--------------------|

Connections

Line side

| | |
|-------------------------|---|
| Version | Cable gland/Screw-type terminal |
| Conductor cross-section | 1.00 ... 2.50 mm ² (18 ... 14 AWG) |
| PE connection | On housing with M5 screw |

Motor end

| | |
|-------------------------|---|
| Version | Screw-type terminals |
| Conductor cross-section | 1.00 ... 2.50 mm ² (18 ... 14 AWG) |

Max. motor cable length

| | |
|----------|-----|
| Shielded | 5 m |
|----------|-----|

Ambient conditions

Ambient temperature

| | |
|-----------|--------------------------------|
| Operation | -10 ... 55 °C (14 ... 131 °F) |
| Storage | -40 ... 70 °C (-40 ... 158 °F) |

Relative humidity

| | |
|----------------|-------------------------------------|
| Max. operation | 95 % RH, condensation not permitted |
|----------------|-------------------------------------|

Communication

| | |
|---------------|-----------------------|
| Communication | PROFINET, EtherNet/IP |
|---------------|-----------------------|

Closed-loop control techniques

| | |
|---|-----|
| V/f linear / square-law / parameterizable | Yes |
| V/f with flux current control (FCC) | Yes |
| V/f ECO linear / square-law | Yes |
| Sensorless vector control | Yes |
| Vector control, with sensor | No |
| Encoderless torque control | Yes |
| Torque control, with encoder | No |

Mechanical data

| | |
|----------------------|----------|
| Degree of protection | IP66 |
| Net weight | 1.85 kg |
| Width | 205.0 mm |
| Height | 105.0 mm |
| Depth | 171.0 mm |