

Article No. : 6SL3546-0FB21-1FA0



Figure similar

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :

| Electrical data |
|-----------------|
|-----------------|

|                       |         |
|-----------------------|---------|
| Operating voltage via |         |
| External power supply | DC 24 V |

| Communication |
|---------------|
|---------------|

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

| Inputs / outputs |
|------------------|
|------------------|

|                         |                  |
|-------------------------|------------------|
| Standard digital inputs |                  |
| Number                  | 6 (non-isolated) |

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Fail-safe digital inputs |                                               |
| Number                   | 3 (optionally parameterizable as safe inputs) |

|                 |                                                   |
|-----------------|---------------------------------------------------|
| Digital outputs |                                                   |
| Number          | 2 (0.5 A, fed through switched 24 V DC, isolated) |

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Fail-safe digital outputs |                                                       |
| Number                    | 1 (optionally parameterizable as safe digital output) |

| Closed-loop control techniques |
|--------------------------------|
|--------------------------------|

|                                           |     |
|-------------------------------------------|-----|
| V/f linear / square-law / parameterizable | Yes |
| V/f with flux current control (FCC)       | Yes |
| Sensorless vector control                 | Yes |

| Ambient conditions |
|--------------------|
|--------------------|

|                     |                                |
|---------------------|--------------------------------|
| Ambient temperature |                                |
| Operation           | 0 ... 50 °C (32 ... 122 °F)    |
| Storage             | -40 ... 70 °C (-40 ... 158 °F) |

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Relative humidity |                                                        |
| Max. operation    | 95 % at 40 °C (104 °F); RH, condensation not permitted |

| Technology |
|------------|
|------------|

|                           |          |
|---------------------------|----------|
| Positioning functionality | Yes      |
| Design of the interface   | M12 plug |

| Mechanical data |
|-----------------|
|-----------------|

|                      |                  |
|----------------------|------------------|
| Degree of protection | IP65 / UL type 3 |
| Net weight           | 0.8 kg (1.77 lb) |

|            |                  |
|------------|------------------|
| Dimensions |                  |
| Width      | 153 mm (6.02 in) |
| Height     | 208 mm (8.19 in) |
| Depth      | 55 mm (2.17 in)  |

| Standards |
|-----------|
|-----------|

|                           |                                                |
|---------------------------|------------------------------------------------|
| Compliance with standards | UL 508C (UL list number E121068), cUL, CE, RCM |
| CE marking                | Low-voltage directive 2014/35/EC               |