



Figure similar

Article No. : 6SL3040-1MA00-0AA0

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

Item no. :
Consignment no. :
Project :

Inputs / outputs

Digital inputs

| | |
|------------------------------------|-------------|
| Number | 12 |
| Voltage | -3 ... 30 V |
| Low level | -3 ... 5 V |
| High level | 15 ... 30 V |
| Power consumption at 24 V DC, typ. | 3.5 mA |
| Delay time L→H, typ. ¹⁾ | 50 µs |
| Delay time H→L, typ. ¹⁾ | 150 µs |

Digital I/O

| | |
|--|---|
| Number of bidirectional, not potential-free inputs ³⁾ | 8 |
|--|---|

As input

| | |
|------------------------------------|-------------|
| Voltage | -3 ... 30 V |
| Low level | -3 ... 5 V |
| High level | 15 ... 30 V |
| Power consumption at 24 V DC, typ. | 3.5 mA |
| Delay time L→H ¹⁾ | 5 µs |
| Delay time H→L ¹⁾ | 50 µs |

As output

| | |
|---------------------------------------|-----------------|
| Continuous short-circuit proof | Yes |
| Voltage | DC 24 V |
| Load current per digital output, max. | 500 mA |
| Delay time L→H, typ./ max. | 150 µs / 400 µs |
| Delay time H→L, typ./ max. | 75 µs / 100 µs |

Electrical data

| | |
|--------------------------------------|---------------------------|
| Electronics power supply | DC 24 V (20.4 ... 28.8 V) |
| Max. power consumption ⁵⁾ | 1.0 A |
| Power loss, max. | 24 W |
| Protection, max. | 20 A |

Communication

| | |
|---------------|-------------|
| Communication | Profibus DP |
|---------------|-------------|

Environmental conditions

| | |
|-----------------------------------|--------------------------------|
| Installation altitude | 2,000 m (6,561.68 ft) |
| Ambient temperature during | |
| Operation | 0 ... 55 °C (32 ... 131 °F) |
| Storage | -25 ... 55 °C (-13 ... 131 °F) |
| Transport | -40 ... 70 °C (-40 ... 158 °F) |
| Relative humidity during | |
| Transport, max. | 95 % at 40 °C (104 °F) |

Connections

| | |
|------------------------------|------------------------------|
| PE connection | 1 (M5 screw) |
| Supply voltage, max. | 2.5 mm ² (AWG 14) |
| Digital inputs, max. | 1.5 mm ² (AWG 16) |
| Digital inputs/outputs, max. | 1.5 mm ² (AWG 16) |
| DRIVE-CLiQ | 4 |
| PROFINET | -- |
| PROFIBUS | 1 |
| RS232 | 1 |
| Ethernet | 1 |
| Temperature sensor | -- |
| 24 V | 1 |
| Measuring sockets | 3 |

Number of slots

| | |
|--------------------|---|
| Flash card | 1 |
| for option modules | 1 |

Mechanical data

| | |
|------------|-------------------|
| Net weight | 2.20 kg (4.85 lb) |
|------------|-------------------|

Dimensions

| | |
|--------|---------------------|
| Width | 50.0 mm (1.97 in) |
| Height | 300.0 mm (11.81 in) |
| Depth | 226.0 mm (8.90 in) |

Standards

| | |
|---------------------------|----------------------------------|
| Compliance with standards | CE, KC, cULus, EAC, C-Tick (RCM) |
|---------------------------|----------------------------------|

¹⁾The specified delay times refer to the hardware. The actual reaction time depends on the time slot in which the digital input or output is processed.

³⁾can be parameterized - as DI - as DO

⁵⁾without taking into account digital outputs. Option slot extension and DRIVE-CLiQ supply