



Figure similar

Article No. : 6SL3040-1MA01-0AA0

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. <sup>1)</sup> | 50 µs       |
| Delay time H→L, typ. <sup>1)</sup> | 150 µs      |

#### Digital I/O

|                                                                  |   |
|------------------------------------------------------------------|---|
| Number of bidirectional, not potential-free inputs <sup>3)</sup> | 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 <sup>1)</sup>       | 5 µs        |
| Delay time H→L <sup>1)</sup>       | 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 <sup>5)</sup> | 1.0 A                     |
| Power loss, max.                     | 24 W                      |
| Protection, max.                     | 20 A                      |

### Communication

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

### 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 <sup>2</sup> (AWG 14) |
| Digital inputs, max.         | 1.5 mm <sup>2</sup> (AWG 16) |
| Digital inputs/outputs, max. | 1.5 mm <sup>2</sup> (AWG 16) |
| DRIVE-CLiQ                   | 4                            |
| PROFINET                     | 2                            |
| PROFIBUS                     | --                           |
| 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) |
|---------------------------|----------------------------------|

<sup>1)</sup>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.

<sup>3)</sup>can be parameterized - as DI - as DO

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