



Figure similar

MLFB-Ordering data

6SL3040-1MA01-0AA0

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

Inputs / outputs

Digital inputs

| | |
|------------------------------------|--------------|
| Number ¹⁾ | 12 |
| Voltage | -3 ... +30 V |
| Low level | -3 ... +5 V |
| High level | 15 ... 30 V |
| Power consumption at 24 V DC, typ. | 9 mA |
| Delay time L→H, typ. | 50 μs |
| Delay time H→L, typ. | 100 μs |

Digital I/O

| | |
|--|-----------------|
| Number of potential-free inputs | 12 |
| Number of bidirectional, not potential-free inputs | 8 |
| As input | |
| Voltage | -3 ... +30 V |
| Low level | -3 ... +30 V |
| High level | 15 ... 30 V |
| Power consumption at 24 V DC, typ. | 9 mA |
| Delay time L→H | 5 μs |
| Delay time H→L | 50 μs |
| As output | |
| 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 |

1) 12 isolated digital inputs; 8 bidirectional digital inputs/outputs



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Electrical data

| | |
|--------------------------------|---------------------|
| Electronics power supply | DC 24 V -15 % +20 % |
| Max. power consumption | 1.00 A |
| Power loss, max. ³⁾ | 24 W |

Mechanical data

Dimensions

| | |
|------------|-------------------|
| Width | 50 mm (1.97 in) |
| Height | 300 mm (11.81 in) |
| Depth | 226 mm (8.90 in) |
| Net weight | 2.30 kg (5.07 lb) |

Ambient conditions

| | |
|-----------------------|---------------------|
| Installation altitude | 2000 m (6561.68 ft) |
|-----------------------|---------------------|

Ambient temperature during

| | |
|-----------|--------------------------------|
| Operation | 0 ... 55 °C (32 ... 131 °F) |
| Storage | -25 ... 70 °C (-13 ... 158 °F) |
| Transport | -40 ... 70 °C (-40 ... 158 °F) |

Relative humidity

| | |
|-----------------|---------------------------|
| Transport, max. | 95 % at 40 °C (104 °F) |
|-----------------|---------------------------|

Connections

| | |
|---------------|----------|
| PE connection | M5 screw |
|---------------|----------|

Communication

| | |
|---------------|----------|
| Communication | PROFINET |
|---------------|----------|

Standards

| | |
|---------------------------|-------|
| Compliance with standards | cULus |
|---------------------------|-------|

3) With DC 24 V, without taking into account digital outputs. Option slot extension and DRIVE-CLiQ supply