



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
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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
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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)
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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)
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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