



Figure similar

### MLFB-Ordering data

6SL3040-1LA01-0AA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

### Inputs / outputs

#### Digital inputs

Number of potential-free inputs	11
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.	50 µs
Delay time H→L, typ.	150 µs

#### Analog inputs

Number <sup>1)</sup>	1
As voltage input	
Voltage	-10 ... +10 V
Resolution	12 bit + sign (with respect to the maximum range that can be resolved -11 ... +11 V)
$R_i$	>100 kΩ

#### As current input

Current	-20 ... +20 mA
Resolution	11 bit + sign (with respect to -22 ... 22 mA); Maximum range that can be resolved -44 ... +44 mA)
$R_i$	>250 Ω

#### Digital I/O

Number of bidirectional, not potential-free inputs 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	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) The analog input can be switched between current and voltage input.



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Electrical data	
Electronics power supply	DC 24 V (20.4 ... 28.8 V)
Max. power consumption <sup>2)</sup>	0.80 A
Power loss, max.	20 W
Mechanical data	
Dimensions	
Width	73 mm (2.87 in)
Height	191 mm (7.52 in)
Depth	75 mm (2.95 in)
Net weight	0.95 kg (2.09 lb)
On-board encoder interface	
max. load current at 24 V encoder supply	0.35 A
max. load current at 5 V encoder supply	0.35 A
Encoder frequency, max.	300 kHz
SSI baudrate	100 ... 1000 kBaud
SSI absolute position resolution	30 bit
Line length, max.	
TTL encoder	100 m (328.08 ft)
HTL encoder unipolar signal	100 m (328.04 ft)
HTL encoder bipolar signal	300 m (984.25 ft)
SSI encoder	100 m (328.08 ft)

Ambient conditions	
Installation altitude	2000 m (6561.68 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	
Transport, max.	95 % at 40 °C (104 °F)
Connections	
PE connection	1 (M5 screw)
DRIVE-CLiQ	1
PROFINET	2
PROFIBUS	--
RS232	--
Ethernet	1
Temperature sensor	1
24 V	1
Measuring sockets	3
Number of slots	
Flash card	1
Communication	
Communication	PROFINET, EtherNet/IP
Standards	
Compliance with standards	CE, KC, cULus, EAC, C-Tick (RCM)

<sup>2)</sup> without taking into account digital outputs. Option slot extension, DRIVE-CLiQ supply and Power Module PM340