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Data sheet for terminal module

Article No. : 6SL3055-0AA00-3AA1



Figure similar

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

Item no. :
Consignment no. :
Project :

General technical specifications	
Power requirement (DC 24 V)	0.50 A
Power requirement for protection, max. [1]	20 A
Power supply voltage	24 V
Conductor cross-section, on the line side	2.5 mm² (AWG 14)
PE conductor version	M4 screw
Power loss, max.	10.0 W

Digital inputs	
Number of digital inputs	8
Voltage	-3 ... 30 V
Voltage at low signal level	-3 ... 5 V
Voltage at high signal level	15 ... 30 V
Current consumption at 24 V DC	9.0 mA
Delay times, approx.	
L --> H	50 µs
H --> L	100 µs
Connection cross-section, max.	1.5 mm² (AWG 16)

Digital inputs/outputs	
Number of digital inputs/outputs	4
Number of digital inputs/outputs parameterizable	4
Connection cross-section, max.	1.5 mm² (AWG 16)
As input	
Voltage	-3 ... 30 V
Voltage at low signal level	-3 ... 5 V
Voltage at high signal level	15 ... 30 V
Current consumption at 24 V DC	9 mA
Delay times, approx.	
L --> H	50 µs
H --> L	100 µs
As output	
Short-circuit protection available	Yes
Voltage	24 V
Current carrying capacity	100 mA
Delay time [4]	
Standard	150 µs
Maximum	500 µs

Analog inputs	
Number of analog inputs [5]	2
As voltage input	
Input voltage	-10 ... 10 V
Digital resolution	11 bit + sign
Input resistance	100 kOhm
As input current	
Input current	-20 ... 20 mA
Digital resolution	10 bit + sign
Input resistance	250 Ohm

Analog outputs	
Number of analog outputs [6]	2
Short-circuit protection available	Yes
Output voltage	-10 ... 10 V
Current carrying capacity	-3 ... 3 mA
Output current	-20 ... 20 mA
Burden [7]	500 Ohm
A/D resolution	11 bit + sign
Connection cross-section, max.	1.5 mm² (AWG 16)

Relay outputs	
Number of relay outputs	2
Type of relay output	Changeover contact (CO)
Ampacity with AC	8 A
Ampacity with DC	8 A
Output voltage with AC	250 V
Output voltage with DC	30 V
Switching capacity with AC, max.	2,000 VA
Switching capacity with DC	240 W
Min. switch current required	100 mA
Connection cross-section, max.	2.5 mm² (AWG 14)
Number of DRIVE-CLiQ interfaces	2

Sensor inputs	
Number of sensor inputs [9]	1

Mechanical data	
Net weight	0.49 kg (1.08 lb)
Dimensions	
Width	50 mm (1.97 in)
Height	150 mm (5.91 in)
Depth	111 mm (4.37 in)

Subject to change. Calculated values may differ from nameplate ratings. © Copyright Siemens

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Standards	Compliance with standards	cULus

[1] Without DC 24 V, without taking into account digital outputs and DRIVE-CLiQ supply
[4] The delay times indicated refer to the hardware. The actual response time depends on the time slice during which the digital input / output is processed.
[5] The analog input can be switched between current and voltage input; voltage ranges as current input: -20/0/4 --- 20 mA
[6] Voltage ranges: -20/0/4 ... 20 mA
[7] in the range -20 ... +20 mA
[9] 1 temperature sensor input for KTY84-130, Pt1000 or PTC (PT1000 can be used from firmware V4.7 HF17)