SIEMENS

Data sheet for terminal module

Article No. : 6SL3055-0AA00-3BA0

Figure similar

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

Item no. :
Consignment no. :
Project :

General technical specifications	
Power requirement (DC 24 V)	0.20 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.	4.5 W

Digital inputs	
Number of digital inputs	10
Number of digital inputs with fail-safe [2]	10
Version	Plug-in screw terminals
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	3.2 mA
Delay times, approx.	
L --> H	30 µs
H --> L	60 µs
Connection cross-section, max.	1.5 mm² (AWG 16)

Digital outputs	
Number of digital outputs	4
Number of digital outputs with Failsafe [3]	4
Short-circuit protection available	Yes
Voltage	24 V
Ampacity, max.	0.5 A
Total current of digital outputs	The total current of all fail-safe digital outputs must not exceed 5.33 A
Delay times, approx.	
L --> H	300 µs
H --> L	350 µs
Connection cross-section, max.	1.5 mm² (AWG 16)

Relay outputs	
Sampling cycle [8]	4 ... 25 ms
Number of DRIVE-CLiQ interfaces	2

Sensor inputs	
Ampacity, max.	0.5 A

Mechanical data	
Net weight	0.90 kg (1.98 lb)
Dimensions	
Width	50 mm (1.97 in)
Height	151 mm (5.94 in)
Depth	110 mm (4.33 in)

Standards	
Compliance with standards	cULus
Standards compliance for fail-safe	SIL 2 acc. to IEC 61508, PL d acc. to EN ISO 13849-1, Category 3 acc. to EN ISO 13849-1

[1] Maximum power requirement: 4 A (for supply of digital outputs and 24-V sensor supply; X514 at DC 24 V); power requirement 0.2 A (X524 at DC 24 V without DRIVE-CLiQ supply)
[2] Fail-safe state: Low level (with invertable inputs: without inversion)
[3] Fail-safe state: Low level (with invertable inputs: without inversion)
[8] Scanning cycle for fail-safe digital inputs or fail-safe digital outputs. The scanning cycle is adjustable.