

Siemens 6SL3055-0AA00-3AA1 Manual

Brand	Siemens
Product Series	Siemens
Product Type	SINAMICS Terminal Module TM31

Description

Manufacturer : Siemens

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

Product Type : SINAMICS Terminal Module TM31

Add On Board for SINAMICS with Digital and Analog

In- And Outputs IP20 for Cap Rail Mounting

Weight : 0.490 Kg

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

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Voltage at high signal level 15 ... 30 V

Current consumption at 24 V DC 9 mA

Delay times, approx.

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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

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

Dimensions

Width 50 mm (1.97 in)

Height 150 mm (5.91 in)

Depth 111 mm (4.37 in)

Net weight 0.49 kg (1.08 lb)

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