SINAMICS TM31

Product Data Sheet

6SL3055-0AA00-3AA1

Terminal expansion module

DIGITAL INPUTS	BIDIRECTIONAL DIGITAL CHANNELS	RELAY OUTPUTS	ANALOG INPUTS
8	4	2	2

Siemens 6SL3055-0AA00-3AA1 is a TM31 terminal module that expands the signal interfaces of a SINAMICS drive configuration. It combines digital and analog channels, relay outputs and a temperature-sensor connection with two DRIVE-CLiQ interfaces.

01 TECHNICAL DATA

Digital inputs	8
Bidirectional digital channels	4
Relay outputs	2
Analog inputs	2
Analog outputs	2
Temperature-sensor inputs	1
DRIVE-CLiQ interfaces	2
Electronics supply range	20.4 to 28.8 V DC
Maximum supply current	1.7 A including loads
Analog output voltage	-10 to +10 V

02 ADDITIONAL PRODUCT DATA

Analog output current	0/4 to 20 mA or -20 to +20 mA
Analog output resolution	11 bits plus sign
Maximum analog current-output burden	500 ohm
Temperature-sensor excitation	2 mA
Maximum supply-cable length	30 m

03 PRODUCT FUNCTION

The module receives a 24 V DC electronics supply and makes eight digital inputs plus four configurable digital input/output channels available to the project. Its two analog outputs can provide voltage or current signals, while the sensor connection accepts the temperature-sensor types defined in the TM31 instructions.

04 SYSTEM COMPATIBILITY

Provide 20.4–28.8 V DC at X524 and include the digital-output and sensor demand in the 1.7 A maximum. The supply connector has internally jumpered terminals, but the permitted through-current and cable protection must still be respected.

05 REFERENCE

Siemens 6SL3055-0AA00-3AA1 technical data and applicable product instructions

AMIKON PRODUCT SUPPORT

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