SIEMENS TX-I/O

Product Data Sheet

TXM1.8U

Eight-Point Universal I/O Module

UNIVERSAL I/O POINTS	BUS OPERATING VOLTAGE	MAXIMUM MODULE CONSUMPTION	ANALOG VOLTAGE INPUT
8; individually configurable	**21.5 to 26 V DC**	**1.5 W**	**0 to 10 V DC**

Siemens TXM1.8U is an eight-point universal module in the TX-I/O range. Each point can be configured for the supported digital input, pulse or counter function, analog sensor input, 0 to 10 V voltage input or 0 to 10 V voltage output. The assembly combines a terminal base with a plug-in I/O module and provides LED signal and fault indication.

01 TECHNICAL DATA

Universal I/O points	8; individually configurable
Bus operating voltage	21.5 to 26 V DC
Maximum module consumption	1.5 W
Analog voltage input	0 to 10 V DC
Resistance input range	0 to 2500 ohm
Analog voltage output	0 to 10 V DC
Voltage-output resolution	1 mV
Maximum output current	1 mA
Electronic pulse count frequency	100 Hz maximum
Mechanical pulse count frequency	25 Hz maximum

02 ADDITIONAL PRODUCT DATA

Contact sensing voltage	21.5 to 25 V DC
Steady contact sensing current	1 mA
Closed-contact resistance	200 ohm maximum
Open-contact resistance	50 kohm minimum
Operating temperature	0 to 50 C

03 PRODUCT FUNCTION

The module operates from the side bus connection at 21.5 to 26 V DC and consumes up to 1.5 W. Its voltage output has 1 mV resolution and a maximum current of 1 mA. Electronic pulse counting permits up to 100 Hz, while mechanical counting permits up to 25 Hz. TXM1.8U is distinct from the TXM1.8U-ML version with additional local override and LCD indication.

04 SYSTEM COMPATIBILITY

Provide the specified bus supply and include the TXM1.8U maximum 1.5 W consumption in the power calculation. Keep an analog output within 1 mA and use the associated point neutral for analog wiring. Follow the documented common-neutral and field-supply terminal arrangement.

05 REFERENCE

Siemens TX-I/O Universal Modules CM2N8173en_12, 22 September 2025; TXM1.8U column and connection diagrams.

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