TX-I/O

Product Data Sheet

TXM1.8D

Eight-channel digital input module

DIGITAL INPUT CHANNELS	BUS SUPPLY	MAXIMUM POWER CONSUMPTION	CONTACT-SENSING VOLTAGE
8	**21.5 to 26 V DC**	**1.1 W**	**21.5 to 25 V DC**

Siemens TXM1.8D is an eight-channel digital input module in the TX-I/O range for building automation. Each input can be configured for status contacts, stored contact pulses or counting, with a three-color indicator providing local point information.

01 TECHNICAL DATA

Digital input channels	8
Bus supply	21.5 to 26 V DC
Maximum power consumption	1.1 W
Contact-sensing voltage	21.5 to 25 V DC
Contact-sensing current	1.6 mA
Initial sensing current	10 mA
Closed-contact resistance	200 Ω maximum
Open-contact insulation	50 kΩ minimum
Maximum cable length	300 m
Counter frequency	10 Hz maximum

02 ADDITIONAL PRODUCT DATA

Counter register	32 bit
Terminal tightening torque	0.6 Nm maximum
Operating temperature	-5 to +50 °C
Front protection	IP30
Terminal-base protection	IP20

03 PRODUCT FUNCTION

The assembly uses a separate terminal base and plug-in electronics, allowing the I/O module to be exchanged without rewiring the field circuits. Volt-free mechanical contacts and suitable SELV/PELV electronic switches are supported. Counting is available up to 10 Hz, with a 32-bit count register and a specified field cable length of up to 300 m.

04 SYSTEM COMPATIBILITY

Use volt-free mechanical contacts or electronic switches meeting SELV/PELV requirements. The contact-sensing current is 1.6 mA with a 10 mA initial current, and the field inputs are not electrically separated from the module electronics.

05 REFERENCE

Siemens TXM1.8D technical data and applicable product instructions

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