

Main

Range of product	Modicon Premium Automation platform
Product or component type	TBX discrete input module
Weatherproofness level	Dust and damp proof
IP degree of protection	IP65
Product compatibility	Output TBX module transistor same voltage
Communication network type	Fipio bus
Number of inputs	16

Complementary

Input type	Current sink IEC 1131 Type 2
Discrete input voltage	24 V DC
Discrete input current	7 mA
Sensor power supply	19.2...30 V
Voltage state 1 guaranteed	≥ 11 V
Current state 1 guaranteed	≥ 6 mA 11 V
Voltage state 0 guaranteed	< 5 V
Current state 0 guaranteed	≤ 1.4 mA
Input impedance	3400 Ohm
Discrete input logic	Positive
Response time	5...11 ms from state 0 to 1 5...13 ms from state 1 to 0
Reverse polarity protection	Series diode
Power dissipation in W	2.7 W 24 V
Line resistance	< 100 Ohm with 2-wire proximity sensor < 500 Ohm with volt-free contact
Leakage resistance	> 100 kOhm with 2-wire proximity sensor > 30 kOhm with volt-free contact
Insulation resistance	> 10 MOhm 500 V DC
Local signalling	4 LED module operation and integrated communication 16 LEDs channel status
Electrical connection	1 connector dust and proof for connection to the Fipio bus and power supply 8 female connectors M12 fast for connecting the sensors or preactuators
Current consumption	95 mA 24 V DC module supply 100 mA 24 V DC sensor power supply
Product weight	0.51 kg

Environment

Dielectric strength	1500 V 60 s 50/60 Hz between input and earth
Ambient air temperature for operation	5...60 °C
Ambient air temperature for storage	-25...70 °C
RoHS EUR conformity date	4Q2009
RoHS EUR status	Will not be compliant