



### Main

Range of Product	Modicon Premium Automation platform
Product or Component Type	Discrete input module
Discrete input number	8 current sink isolated EN/IEC 61131-2 type 2
Discrete input voltage	24 V DC positive
Sensor power supply	19...30 V
Input compatibility	With 2-wire/3-wire proximity sensors EN/IEC 60947-5-2
Discrete input current	7 mA

### Complementary

Voltage state 1 guaranteed	$\geq 11$ V
Current state 1 guaranteed	$\geq 6.5$ mA
Voltage state 0 guaranteed	$\leq 5$ V
Current state 0 guaranteed	$\leq 2$ mA
Input impedance	4000 Ohm at state 1
Response Time	4 ms $\leq 7$ ms
Isolation resistance	$< 10$ MOhm 500 V DC
Power dissipation	(1 W + 0.15 W x No of channels used)
Electrical Connection	Screw terminal
Marking	CE
Current consumption	55 mA 5 V DC 80 mA 24 V DC
Module format	Standard
Net Weight	0.66 lb(US) (0.3 kg)

### Environment

Dielectric strength	1500 V AC 50/60 Hz
Standards	UL 508 CSA C22.2 No 213 Class I Division 2 Group C 73/23/EEC 89/336/EEC IEC 60664 EN/IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group D 92/31/EEC CSA C22.2 No 142 93/68/EEC
Product Certifications	LR[RETURN]BV[RETURN]RINA[RETURN]ABS[RETURN]GL[RETURN]DNV[RETURN]RS
Ambient Air Temperature for Operation	32...140 °F (0...60 °C)
Ambient Air Temperature for Storage	-13...158 °F (-25...70 °C)
Relative Humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...6561.68 ft (0...2000 m)
Protective treatment	TC
IP Degree of Protection	IP20
Pollution degree	2

## Ordering and shipping details

Category	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	3389110725452
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	14.43 oz (409.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	7.21 lb(US) (3.272 kg)

## Contractual warranty

Warranty	18 months
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Standard and Extendable Racks for Modules Mounting

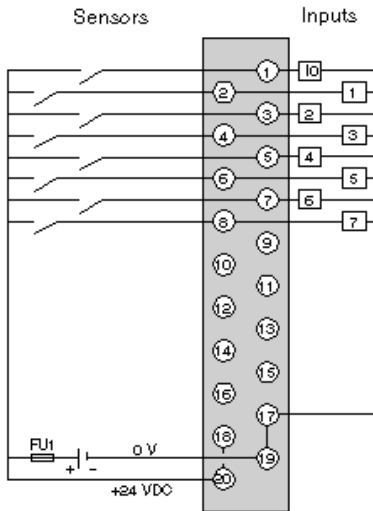
Dimensions of Modules and Racks



- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

24 Vdc Discrete Input 8-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse