



Main

Range of Product	Modicon Premium Automation platform
Product or Component Type	Discrete input module
Discrete input number	16 resistive isolated EN/IEC 61131-2 type 2 16 resistive isolated
Discrete input voltage	24 V DC negative 24 V AC
Network frequency	50/60 Hz 47...63 Hz AC
Sensor power supply	19...30 V DC 20...26 V AC
Input compatibility	With 2-wire/3-wire proximity sensors EN/IEC 60947-5-2
Discrete input current	15 mA AC 16 mA DC

Complementary

Voltage state 1 guaranteed	≤ 10 V DC 10 V AC
Current state 1 guaranteed	≥ 6.5 mA DC 6 mA AC
Voltage state 0 guaranteed	≥ 19 V DC 5 V AC
Current state 0 guaranteed	≤ 2 mA DC 4 mA AC
Input impedance	1600 Ohm at state 1
Response Time	15 ms ≤ 20 ms
Isolation resistance	< 10 MOhm 500 V DC
Power dissipation	(1 W + 0.4 W x No of channels used) DC 0.89 W AC
Electrical Connection	Screw terminal
Marking	CE
Current consumption	80 mA 5 V DC
Module format	Standard
Net Weight	0.68 lb(US) (0.31 kg)

Environment

Dielectric strength	1500 V AC 50/60 Hz
Standards	CSA C22.2 No 213 Class I Division 2 Group B 93/68/EEC CSA C22.2 No 142 73/23/EEC EN/IEC 61131-2 IEC 60664 89/336/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group D 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C
Product Certifications	RINA[RETURN]DNV[RETURN]BV[RETURN]LR[RETURN]GL[RETURN]RMRS[RET
Ambient Air Temperature for Operation	32...140 °F (0...60 °C)
Ambient Air Temperature for Storage	-13...158 °F (-25...70 °C)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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	3389110725469
Returnability	No
Country of origin	FR

Packing Units

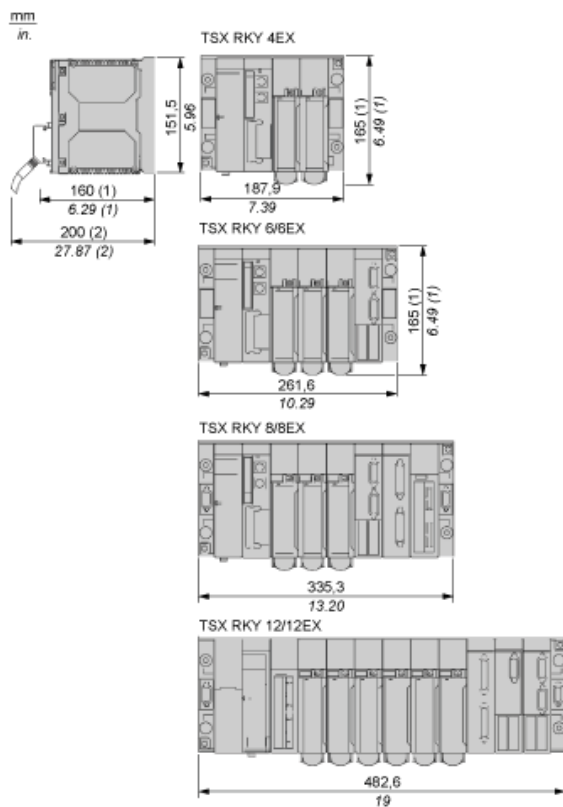
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	15.38 oz (436.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	8.83 lb(US) (4.003 kg)

Contractual warranty

Warranty	18 months
----------	-----------

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

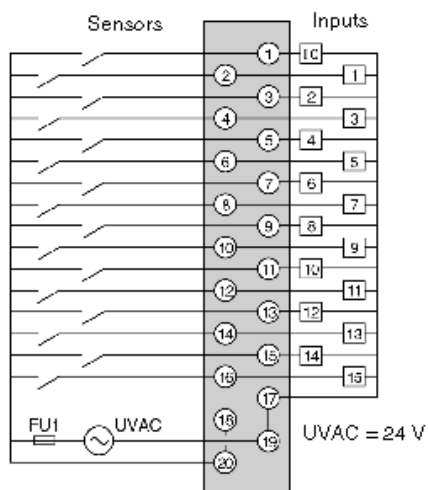


(1) With screw terminal block modules.

(2) Maximum depth for all types of modules and their associated connectors.

24 Vac Discrete Input 16-Channel Module

Wiring Diagram

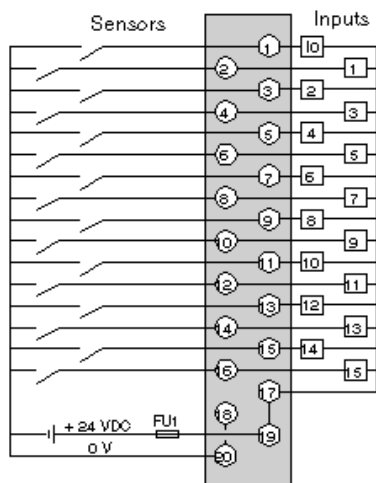


FU1 0.5 A quick-blow fuse

Using the Module in Direct Current (24 Vdc)

Wiring Diagram

The module can be used in direct current with its 16 inputs in negative logic.



FU1 0.5 A quick-blow fuse

NOTE: When the 0 V sensor is grounded, it is not recommended to use the negative logic. If any wire is accidentally disconnected and comes into contact with the mechanical ground, this might set an input to 1, which could result in a wrong command.