



Main

Range of product	Modicon Premium Automation platform
Product or component type	Discrete input module
Discrete input number	16 current sink isolated EN/IEC 61131-2 type 2
Discrete input voltage	48 V DC positive
Sensor power supply	38...60 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	≥ 30 V
Current state 1 guaranteed	≥ 6.5 mA
Voltage state 0 guaranteed	≤ 10 V
Current state 0 guaranteed	≤ 2 mA
Input impedance	7000 Ohm at state 1
Response time	≤ 7 ms 4 ms
Isolation resistance	< 10 MOhm 500 V DC
Power dissipation	(1 W + 0.3 W x No of channels used)
Electrical connection	Screw terminal
Marking	CE
Current consumption	135 mA 24 V DC 80 mA 5 V DC
Module format	Standard
Net Weight	0.66 lb(US) (0.3 kg)

Environment

Dielectric strength	1500 V AC 50/60 Hz
Standards	CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group A 73/23/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group C EN/IEC 61131-2 93/68/EEC 92/31/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 142 IEC 60664
Product certifications	DNV GL RINA BV LR ABS RMRS
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 such 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	00785901725503
Nbr. of units in pkg.	1
Package weight(Lbs)	6.61 lb(US) (3.00 kg)
Returnability	No
Country of origin	FR

Packing Units

Package 1 Height	2.17 in (55.000 mm)
Package 1 width	7.09 in (180.000 mm)
Package 1 Length	10.24 in (260.000 mm)

Offer Sustainability

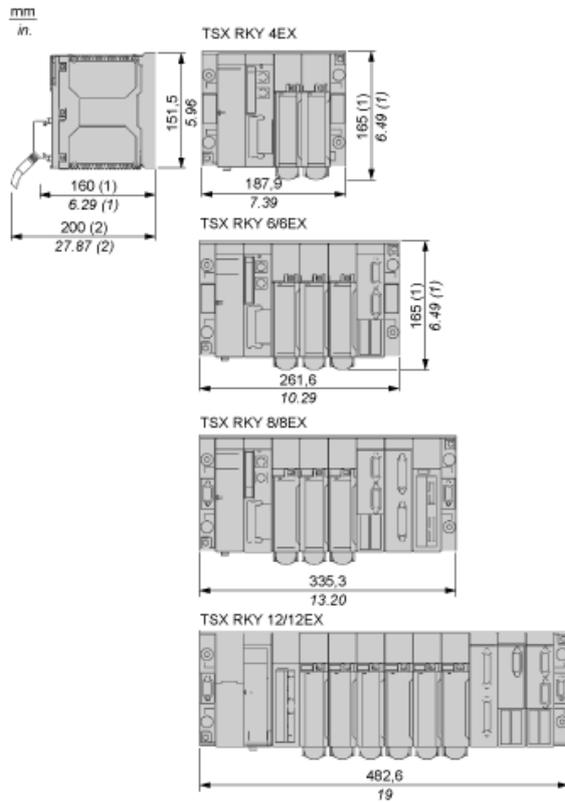
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.For more information go to www.p65warnings.ca.gov
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Contractual warranty

Warranty	18 months
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Standard and Extendable Racks for Modules Mounting

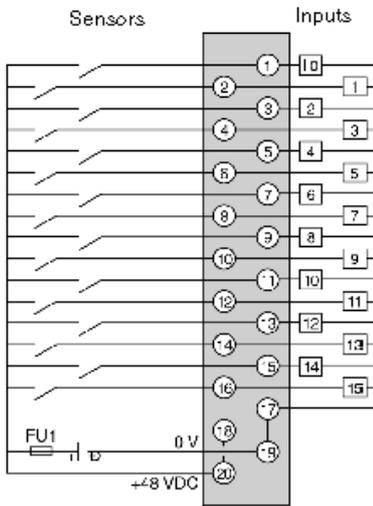
Dimensions of Modules and Racks



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

48 Vdc Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse