



### Main

Range of product	Modicon Premium Automation platform
Product or component type	Discrete input module
Discrete input number	16 current sink isolated conforming to 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 conforming to 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	$\leq 7$ ms 4 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	80 mA 5 V DC 135 mA 24 V DC
Module format	Standard
Product weight	0.3 kg

### Environment

Dielectric strength	1500 V AC at 50/60 Hz
Standards	73/23/EEC 89/336/EEC 92/31/EEC 93/68/EEC CSA 22-2 No 142 CSA 22-2 No 213 Class I Division 2 Group A CSA 22-2 No 213 Class I Division 2 Group B CSA 22-2 No 213 Class I Division 2 Group C CSA 22-2 No 213 Class I Division 2 Group D EN/IEC 61131-2 IEC 60664 UL 508
Product certifications	ABS BV DNV GL LR RINA RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation

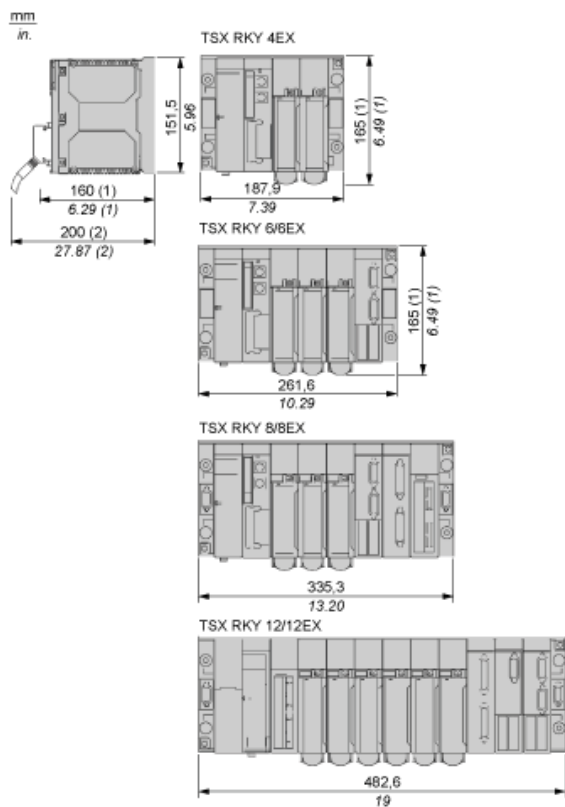
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

### Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0829 - Schneider Electric declaration of conformity <a href="#">download declaration of conformity</a>

Standard and Extendable Racks for Modules Mounting

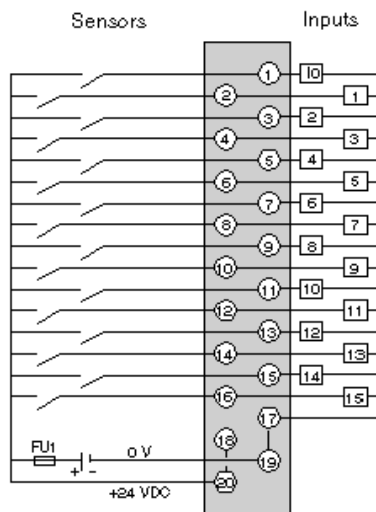
Dimensions of Modules and Racks



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

## 24 Vdc Discrete Input 16-Channel Module

### Wiring Diagram



FU1 0.5 A quick-blow fuse