

Product data sheet

Characteristics

TSXDEY16D2

discrete input module Modicon Premium - 16 I 24 V DC

Product availability : Stock - Normally stocked in distribution facility

Price* : 640.55 USD



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 | ≥ 11 V |
| Current state 1 guaranteed | ≥ 6.5 mA |
| Voltage state 0 guaranteed | ≤ 5 V |
| Current state 0 guaranteed | ≤ 2 mA |
| Input impedance | 4000 Ohm at state 1 |
| Response time | ≤ 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 | 135 mA 24 V DC 80 mA 5 V DC |
| Module format | Standard |
| Product weight | 0.66 lb(US) (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 C22.2 No 142
 EN/IEC 61131-2
 IEC 60664
 UL 508
 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 C
 CSA C22.2 No 213 Class I Division 2 Group D

| | |
|---------------------------------------|---|
| Product certifications | ABS BV DNV GL LR RINA RMRS |
| 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 | 00785901717409 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.9000000000000002 |
| Returnability | N |
| Country of origin | FR |

Offer Sustainability

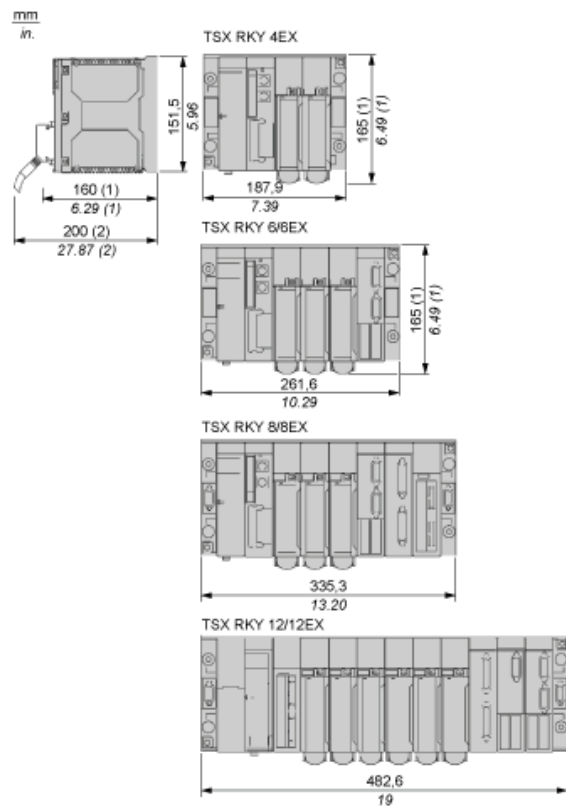
| | |
|----------------------------------|---|
| RoHS (date code: YYWW) | Compliant - since 0829 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product end of life instructions | Need no specific recycling operations |
| California proposition 65 | WARNING: This product can expose you to chemicals including: |
| ----- Substance 1 | Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| ----- More information | For more information go to www.p65warnings.ca.gov |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Standard and Extendable Racks for Modules Mounting

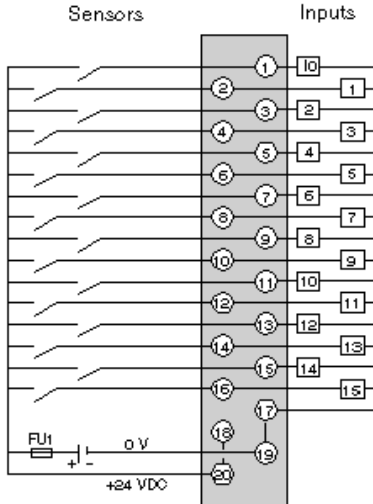
Dimensions of Modules and Racks



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

24 Vdc Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse