

# TSXDEY16D2C

discrete input module -16 resistive isolated - 24 V DC - 15 mA



## Main

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

## Complementary

|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| Voltage state1 guaranteed  | 10 V AC<br>≤ 10 V DC                                |
| Current state 1 guaranteed | 6 mA AC<br>≥ 6.5 mA DC                              |
| Voltage state 0 guaranteed | 5 V AC<br>≥ 19 V DC                                 |
| Current state 0 guaranteed | 4 mA AC<br>≤ 2 mA DC                                |
| Input impedance            | 1600 Ohm at state 1                                 |
| Response time              | ≤ 7 ms<br>4 ms                                      |
| Isalotion resistance       | < 10 MOhm 500 V DC                                  |
| Power dissipation          | 0.89 W AC<br>(1 W + 0.4 W x No of channels used) DC |
| Electrical connection      | Screw terminal                                      |
| Marking                    | CE                                                  |
| Current consumption        | 135 mA 24 V DC                                      |
| Module format              | Standard                                            |
| Product weight             | 0.31 kg                                             |

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.

## Environment

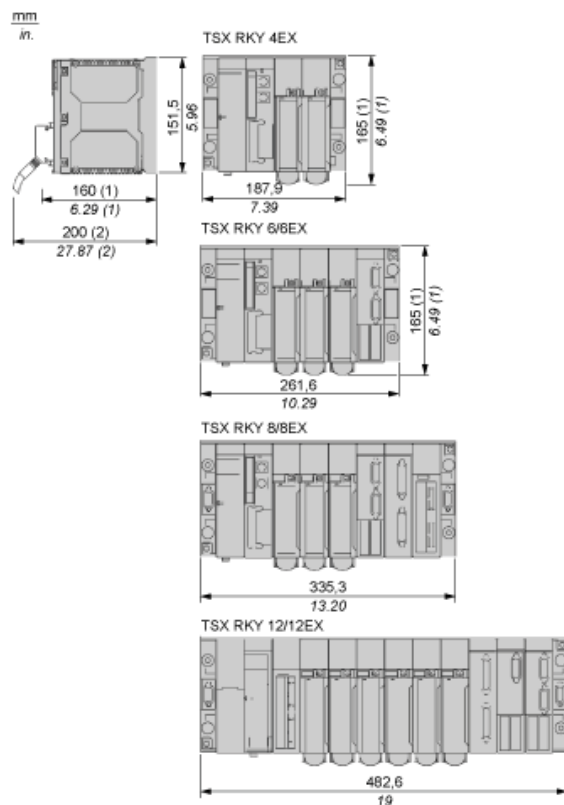
|                                       |                                                                                                                                                                                                                                                                                                       |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric strength                   | 1500 V AC at 50/60 Hz                                                                                                                                                                                                                                                                                 |
| Standards                             | 73/23/EEC<br>89/336/EEC<br>92/31/EEC<br>93/68/EEC<br>CSA 22-2 No 142<br>CSA 22-2 No 213 Class I Division 2 Group A<br>CSA 22-2 No 213 Class I Division 2 Group B<br>CSA 22-2 No 213 Class I Division 2 Group C<br>CSA 22-2 No 213 Class I Division 2 Group D<br>EN/IEC 61131-2<br>IEC 60664<br>UL 508 |
| Product certifications                | ABS<br>BV<br>DNV<br>GL<br>LR<br>RINA<br>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<br>10...95 % without condensation for operation                                                                                                                                                                                                             |
| Operating altitude                    | 0...2000 m                                                                                                                                                                                                                                                                                            |
| Protective treatment                  | Conformal coating Humiseal 1A33<br>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

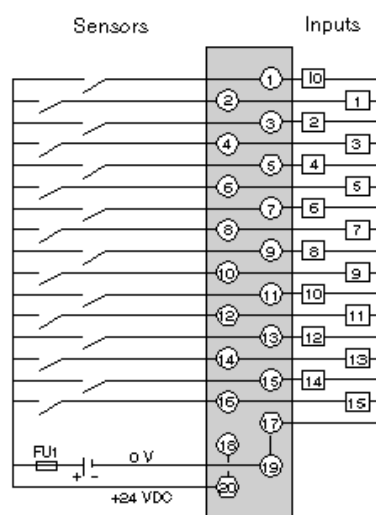


(1) With screw terminal block modules.

(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