



### 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 state1 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<br>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                         |
| Module format              | Standard                             |
| Product weight             | 0.3 kg                               |

### 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                                                                                                                                                                                                             |

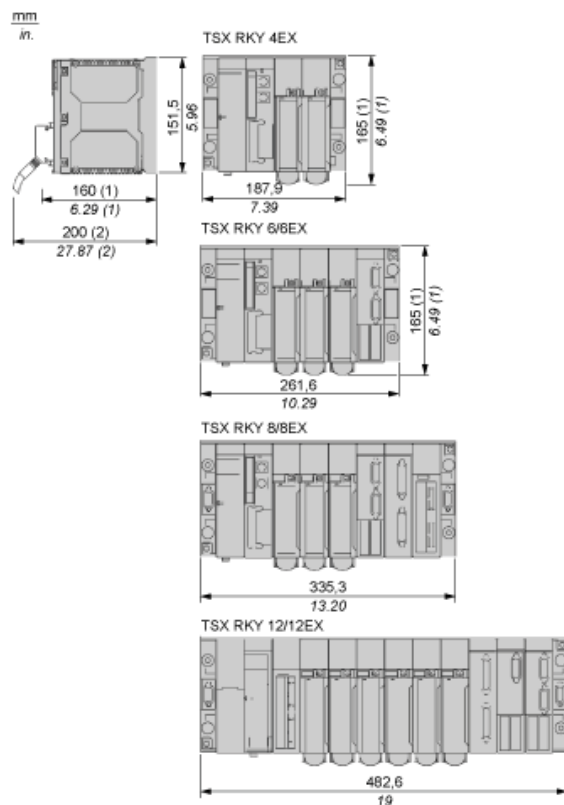
|                         |                                       |
|-------------------------|---------------------------------------|
| Operating altitude      | 0...2000 m                            |
| Protective treatment    | Conformal coating Humiseal 1A33<br>TC |
| IP degree of protection | IP20                                  |
| Pollution degree        | 2                                     |

### Offer Sustainability

|                          |                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status | Not Green Premium product                                                                                                |
| RoHS                     | Compliant - since 0903 - Schneider Electric declaration of conformity <a href="#">download declaration of conformity</a> |

## Standard and Extendable Racks for Modules Mounting

### Dimensions of Modules and Racks

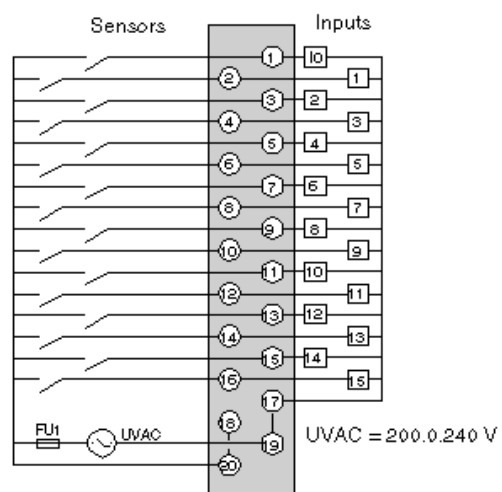


(1) With screw terminal block modules.

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

200...240 Vac Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse