



## Commercial status

End of Commercialisation :

⚠ End of Commercialisation

## Main

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Range of product          | Modicon Premium Automation platform                   |
| Product or component type | Discrete output module                                |
| Discrete output number    | 8                                                     |
| Discrete output type      | Relay protected                                       |
| Discrete output voltage   | 24...120 V DC conforming to EN/IEC 61131-2 19...143 V |

## Complementary

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [I <sub>th</sub> ] conventional free air thermal current | 5 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Response time                                            | < 10 ms (activation)<br>< 15 ms (deactivation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Contacts type and composition                            | 2 x 2 C/O + 2 x 2 NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reverse polarity protection                              | RC circuit and Ge-Mov                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Output overload protection                               | 6.3 A, interchangeable fuse per common fast blow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Short-circuit protection                                 | 6.3 A, interchangeable fuse per common fast blow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Insulation resistance                                    | > 10 MOhm 500 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power dissipation                                        | (0.25 W + 0.24 W x No of outputs at state 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Electrical durability                                    | 1000000 Cycles DC-12 100 W 48 V resistive<br>1000000 Cycles DC-12 220 W 100...120 V resistive<br>1000000 Cycles DC-12 50 W 24 V resistive<br>1000000 Cycles DC-3 100 W 48 V inductive<br>1000000 Cycles DC-3 220 W 100...120 V inductive<br>1000000 Cycles DC-3 50 W 24 V inductive<br>2000000 Cycles DC-3 110 W 100...120 V inductive<br>2000000 Cycles DC-3 20 W 24 V inductive<br>2000000 Cycles DC-3 50 W 48 V inductive<br>300000 Cycles DC-12 100 W 24 V resistive<br>300000 Cycles DC-12 200 W 48 V resistive<br>300000 Cycles DC-12 440 W 100...120 V resistive |
| Marking                                                  | CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Electrical connection                                    | Screw terminal block                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Current consumption                                      | 55 mA at 5 V DC<br>80 mA at 24 V DC rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Module format                                            | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Net weight                                               | 0.37 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

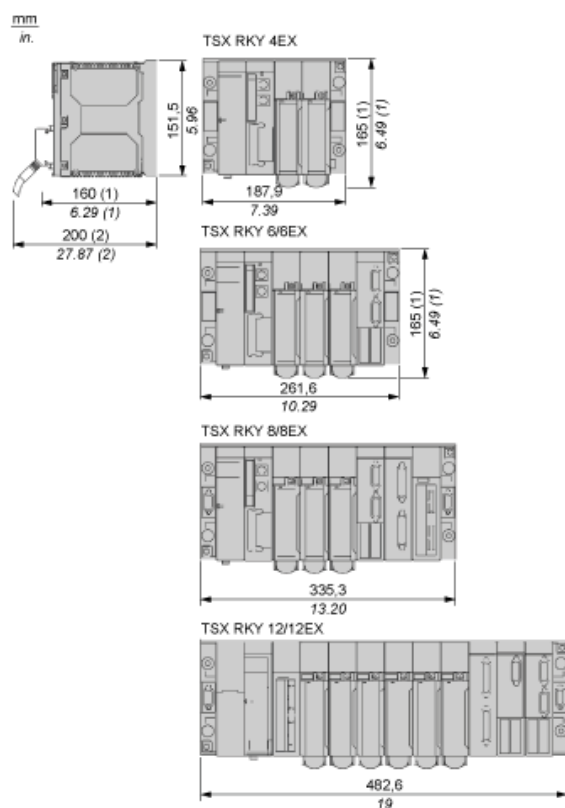
|                                       |                                                                                                                                                                                                                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric strength                   | 2000 V 50/60 Hz 60 s                                                                                                                                                                                                                                                                       |
| Standards                             | CSA C22.2 No 213 Class I Division 2 Group B<br>IEC 61131-2<br>89/336/EEC<br>93/68/EEC<br>CSA C22.2 No 213 Class I Division 2 Group D<br>CSA C22.2 No 142<br>73/23/EEC<br>CSA C22.2 No 213 Class I Division 2 Group A<br>UL 508<br>92/31/EEC<br>CSA C22.2 No 213 Class I Division 2 Group C |
| Product certifications                | DNV<br>ABS<br>RINA<br>LR<br>BV<br>GL<br>RMRS                                                                                                                                                                                                                                               |
| Ambient air temperature for operation | 0...60 °C                                                                                                                                                                                                                                                                                  |
| Ambient air temperature for storage   | -25...70 °C                                                                                                                                                                                                                                                                                |
| Relative humidity                     | 10...95 % without condensation for operation<br>5...95 % without condensation for storage                                                                                                                                                                                                  |
| Operating altitude                    | 0...2000 m                                                                                                                                                                                                                                                                                 |
| Protective treatment                  | Conformal coating Humiseal 1A33<br>TC                                                                                                                                                                                                                                                      |
| IP degree of protection               | IP20                                                                                                                                                                                                                                                                                       |
| Pollution degree                      | 2                                                                                                                                                                                                                                                                                          |

## Contractual warranty

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

## Standard and Extendable Racks for Modules Mounting

### Dimensions of Modules and Racks

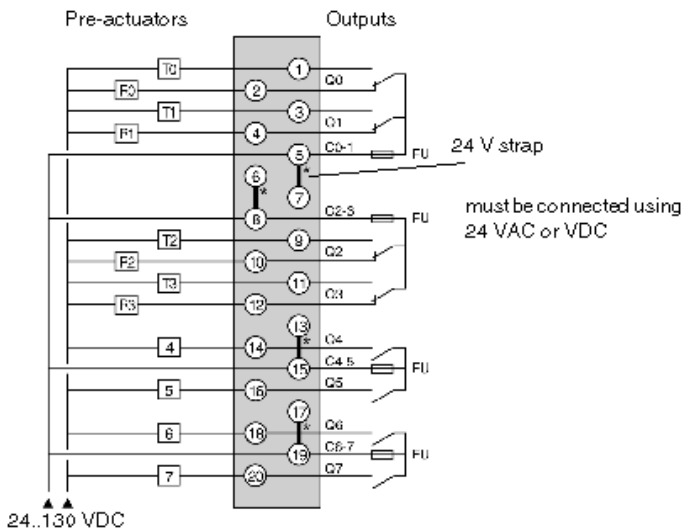


(1) With screw terminal block modules.

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

Discrete Relay Output 8-Channel Module for Direct Current

Wiring Diagram



FU 6.3 A quick-blow fuse

Product Life Status : **Post commercialisation**

TSXDSY08R4DC may be replaced by any of the following products:



**BMXDRA0804T**

discrete output module X80 - 8 outputs - 100...150 V DC

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2017 | Not same dimensions/design - 0.3A << Premium 5A, all NC vs-mixed NC+NO - consult us for coated version