



Commercial status

End of Commercialisation :

⚠ End of Commercialisation

Main

Range of product	Modicon Premium Automation platform
Product or component type	Discrete input module
Discrete input number	16 capacitive isolated conforming to EN/IEC 61131-2 type 2
Discrete input voltage	110 V AC
Network frequency	50/60 Hz 47...63 Hz AC
Sensor power supply	85...132 V
Input compatibility	With 2-wire/3-wire proximity sensors conforming to EN/IEC 60947-5-2
Discrete input current	12 mA

Complementary

Voltage state 1 guaranteed	74 V
Current state 1 guaranteed	6 mA
Voltage state 0 guaranteed	20 V
Current state 0 guaranteed	4 mA
Input impedance	9200 Ohm at state 1
Response time	10 ms <= 20 ms
Insulation resistance	< 10 MOhm 500 V DC
Power dissipation	0.83 W
Electrical connection	Screw terminal
Marking	CE
Current consumption	80 mA at 5 V DC
Module format	Standard
Net weight	0.32 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

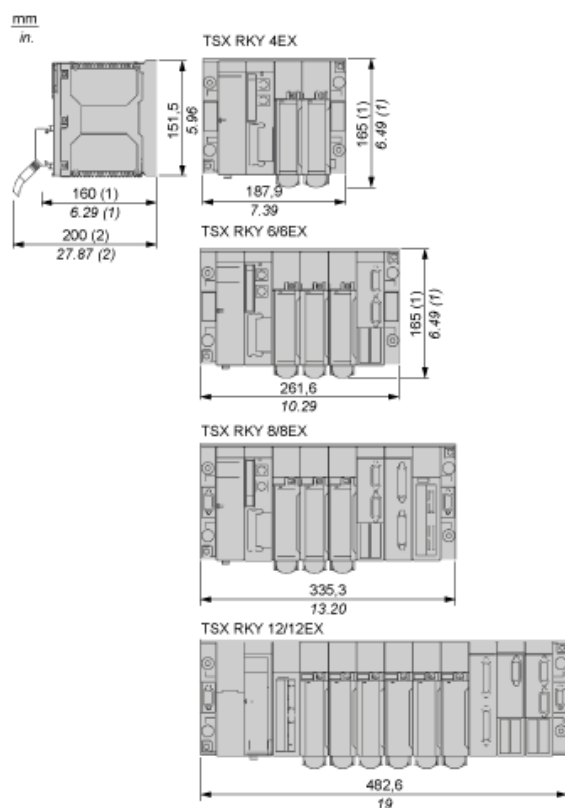
Dielectric strength	1500 V AC at 50/60 Hz
Standards	93/68/EEC CSA C22.2 No 213 Class I Division 2 Group C EN/IEC 61131-2 73/23/EEC CSA C22.2 No 142 89/336/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group A IEC 60664 CSA C22.2 No 213 Class I Division 2 Group B 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group D
Product certifications	DNV ABS RINA GL LR BV 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 5...95 % without condensation for storage
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Contractual warranty

Warranty	18 months
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Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

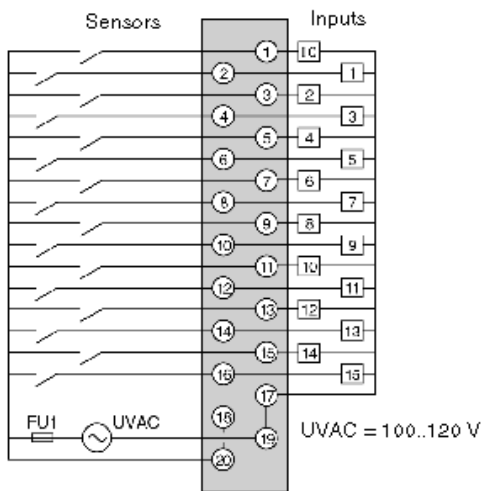


(1) With screw terminal block modules.

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

120 Vac Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse

Product Life Status : **Post commercialisation**

TSXDEY16A4 may be replaced by any of the following products:



BMXDAI1604
discrete input module X80 - 16 inputs - 100..120 V AC
Qty 1
Reason for Substitution: End of life | Substitution date: 10 Apr 2017 |



BMXDAI1604
discrete input module X80 - 16 inputs - 100..120 V AC
Qty 1
Reason for Substitution: End of life | Substitution date: 30 Jun 2018 |



BMXDAI1604
discrete input module X80 - 16 inputs - 100..120 V AC
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design



BMXDAI1604
discrete input module X80 - 16 inputs - 100..120 V AC
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design



BMXDAI1604
discrete input module X80 - 16 inputs - 100..120 V AC
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design



BMXDAI1604

discrete input module X80 - 16 inputs - 100..120 V AC

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2018 |
