



Commercial status

End of Commercialisation :

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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	48 V DC positive
Sensor power supply	38...60 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	≥ 30 V
Current state 1 guaranteed	≥ 6.5 mA
Voltage state 0 guaranteed	≤ 10 V
Current state 0 guaranteed	≤ 2 mA
Input impedance	7000 Ohm at state 1
Response time	≤ 7 ms 4 ms
Insulation resistance	< 10 MOhm 500 V DC
Power dissipation	(1 W + 0.3 W x No of channels used)
Electrical connection	Screw terminal
Marking	CE
Current consumption	135 mA at 24 V DC 80 mA at 5 V DC
Module format	Standard
Net weight	0.3 Kg

Environment

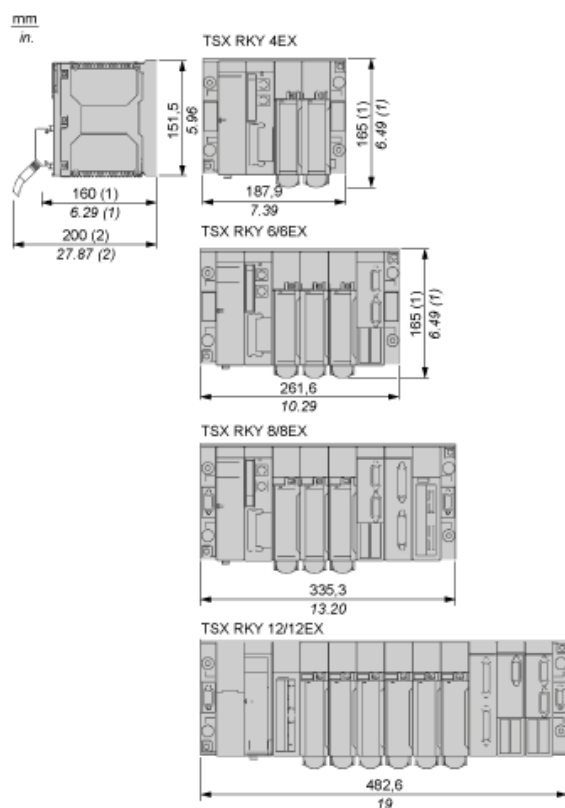
Dielectric strength	1500 V AC at 50/60 Hz
Standards	CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group A 73/23/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group C EN/IEC 61131-2 93/68/EEC 92/31/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 142 IEC 60664
Product certifications	DNV GL RINA BV LR ABS 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

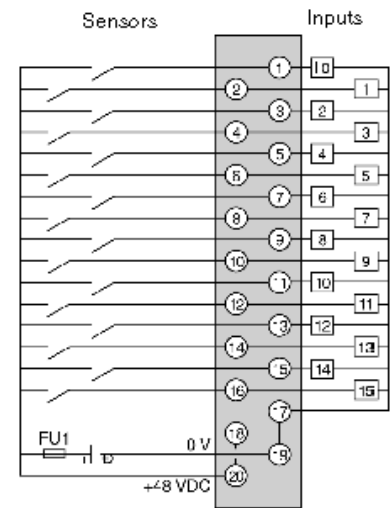


(1) With screw terminal block modules.

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

48 Vdc Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse

Product Life Status : **Post commercialisation**

TSXDEY16D3 may be replaced by any of the following products:



BMXDDI1603
discrete input module X80 - 16 inputs - 48 V DC positive
Qty 1
Reason for Substitution: End of life | Substitution date: 10 Apr 2017 |



BMXDDI1603
discrete input module X80 - 16 inputs - 48 V DC positive
Qty 1
Reason for Substitution: End of life | Substitution date: 30 Jun 2018 |



BMXDDI1603
discrete input module X80 - 16 inputs - 48 V DC positive
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design



BMXDDI1603
discrete input module X80 - 16 inputs - 48 V DC positive
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design



BMXDDI1603
discrete input module X80 - 16 inputs - 48 V DC positive
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2018 |