Product data sheet
Characteristics

TSXDMY28RFK
discrete I/O module Modicon Premium - 16 I 24 V DC - 12 O solid state

Commercial status
End of Commercialisation :

⚠ End of Commercialisation

Main

Range of product	Modicon Premium Automation platform
Product or component type	Discrete I/O modules
Discrete I/O number	28
Discrete input number	16 current sink fast input conforming to IEC 1131-2 Type 1
Input logic	Positive
Input voltage	24 V 3.5 mA DC

Complementary

Voltage state 1 guaranteed	>= 11 V
Current state 1 guaranteed	>= 3 mA
Voltage state 0 guaranteed	<= 5 V
Current state 0 guaranteed	<= 1.5 mA
Sensor power supply	19…30 V
Filter time	4 ms by default 0.1 to 7.5 ms by configuration
Paralleling of inputs	Yes
Input compatibility	2-wire/3-wire proximity sensor
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation	1.2 W + 0.1 x number of input at 1
Discrete output number	12
Maximum tungsten load	<6 W for solid state output
Output voltage	24 V 0.5 A
Discrete output type	Reflex or time delayed
Output voltage limits	19...30 V
Maximum output current	4 A by module 0.5 A by channel
Maximum leakage current	1 MA at state 0
[Ures] residual voltage	1.2 V at state 1
Minimum load impedance	48 W
Response time on output	0.6 ms
Switching frequency	0.5/LI² Hz
Output overvoltage protection	By transil diode
Reverse polarity protection	Reversed diode
Preactuator voltage detection threshold	16 V
Electrical connection	2 connectors HE-10

Current consumption	300 mA at 5 V DC 75 mA at 24 V DC
Module format	Standard

Environment

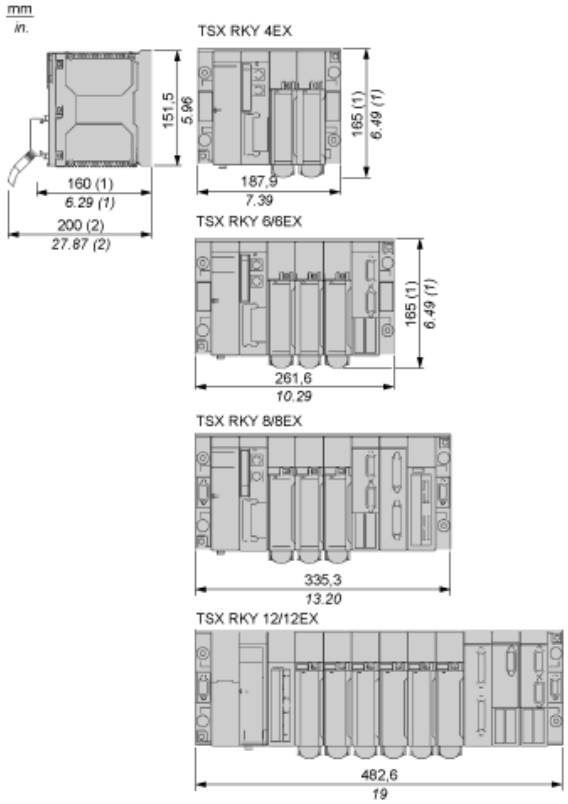
Dielectric strength	1500 V 50/60 Hz for 1 minute
Derating factor	60 % of inputs at state 1 at 60 °C fast input 60 % of the maximum current of the module at 60 °C solid state output
Ambient air temperature for operation	0…60 °C
Ambient air temperature for storage	-25…70 °C
Relative humidity	5…95 % without condensation
Operating altitude	<= 2000 m

Contractual warranty

Warranty	18 months

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

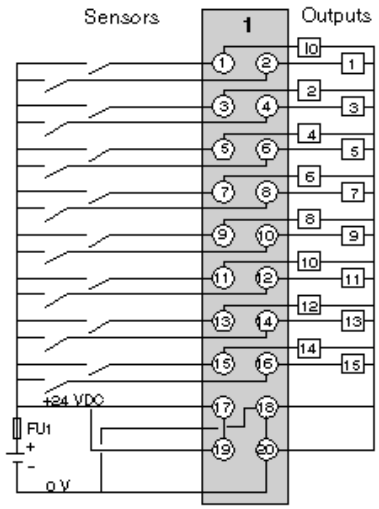


(1) With screw terminal block modules.

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

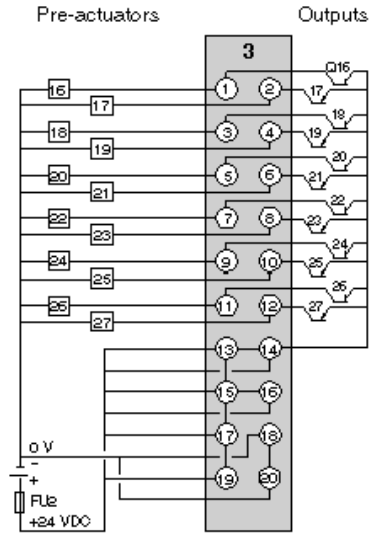
24 Vdc Input/Output 28-Channel Module

Wiring Diagram with Sensors



FU1 0.5 A quick-blow fuse.

Wiring Diagram with Pre-Actuators



FU2 10 A quick-blow fuse.

Product Life Status :	Post commercialisation

TSXDMY28RFK may be replaced by any of the following products:

BMXDDM16022

discrete I/O module X80 - 8 inputs - 24 V DC - 8 outputs - solid state

Qty 1

Reason for Substitution: End of life | Substitution date: 10 Apr 2017 |

BMXDDM16022

discrete I/O module X80 - 8 inputs - 24 V DC - 8 outputs - solid state

Qty 1

Reason for Substitution: End of life | Substitution date: 30 Jun 2018 |

BMXDDM16022

discrete I/O module X80 - 8 inputs - 24 V DC - 8 outputs - solid state

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design - no programmable reflex IO

BMXDDM16022

discrete I/O module X80 - 8 inputs - 24 V DC - 8 outputs - solid state

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design - no programmable reflex IO

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discrete I/O module X80 - 8 inputs - 24 V DC - 8 outputs - solid state

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