Product data sheet
Characteristics

TSXDMY28FK
discrete I/O module Modicon Premium - 16 I 24 V DC - 12 O solid state

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 1397.00 USD

Main

Commercial Status	Commercialised
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	0.1 to 7.5 ms by configuration 4 ms by default
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
Tungsten load	6 W solid state output
Output voltage	24 V 0.5 A
Discrete output type	Solid state
Output voltage limits	19...30 V
Output current limits	0.5 A by channel 4 A by module
Leakage current	< 1 mA at state 0
[Ures] residual voltage	< 1.2 V at state 1
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	75 mA 24 V DC 300 mA 5 V DC
Module format	Standard
Product weight	0.71 lb(US) (0.32 kg)

Environment

Dielectric strength	1500 V 50/60 Hz for 1 minute
Derating factor	60 % of the maximum current of the module at 140 °F (60 °C) solid state output 60 % of inputs at state 1 at 140 °F (60 °C) fast input
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Relative humidity	5...95 % without condensation
Operating altitude	<= 6561.68 ft (2000 m)

Ordering and shipping details

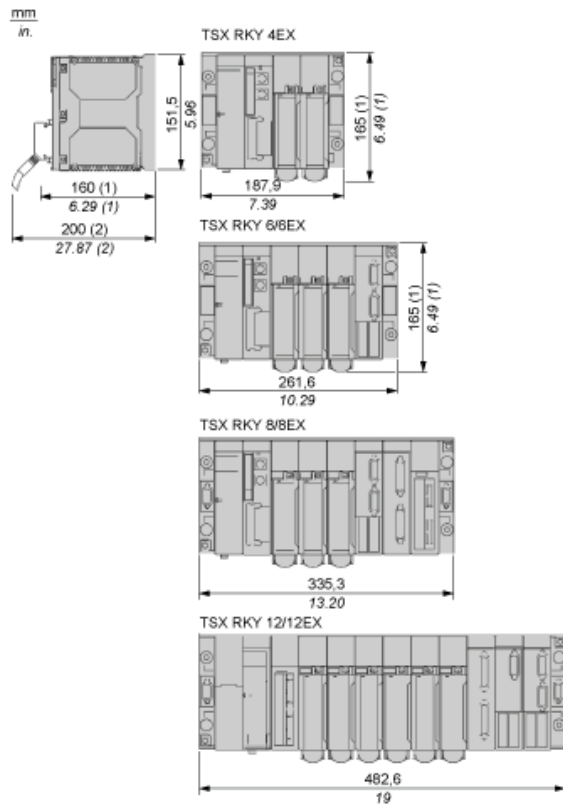|	
Category	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	00785901896401
Nbr. of units in pkg.	1
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0850 - Schneider Electric declaration of conformity
REACh	Reference contains SVHC above the threshold - go to CaP for more details
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months

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Product data sheet

Dimensions Drawings

TSXDMY28FK

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Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

mm
in.

TSX RKY 4EX

151,5
5.96

165 (1)
6.49 (1)

160 (1)
6.29 (1)

200 (2)
27.87 (2)

187,9
7.39

TSX RKY 6/6EX

165 (1)
6.49 (1)

261,6
10.29

TSX RKY 8/8EX

335,3
13.20

TSX RKY 12/12EX

482,6
19
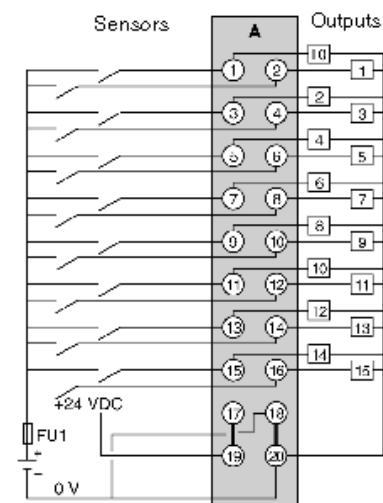
(1) With screw terminal block modules.

(2) Maximum depth for all types of modules and their associated connectors.
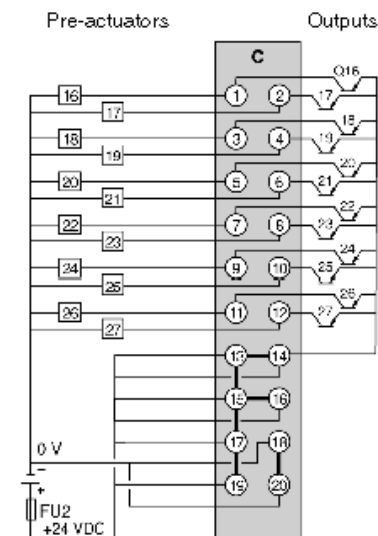
TSXDMY28FK

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.