

Product data sheet

Specifications



discrete output module Modicon Premium - 8 O relay

TSXDSY08R5A

-  **Discontinued on:** Dec 2, 2020
-  **To be end-of-service on:** Dec 31, 2026

 **Discontinued - Service only**

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

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...240 V AC EN/IEC 61131-2 20...264 V 24...48 V DC EN/IEC 61131-2 19...60 V

Complementary

[I _{th}] Conventional Free Air Thermal Current	5 A
Response Time	< 10 ms (activation) < 15 ms (deactivation)
Contacts Type And Composition	2 x 2 C/O + 2 x 2 NO
Output Overvoltage 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
Isalotion Resistance	> 10 MOhm 500 V
Power Dissipation	(0.25 W + 0.24 W x No of outputs at state 1)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Electrical Durability	1000000 cycles DC-12 24 W 24 V resistive 1000000 cycles DC-12 50 W 48 V resistive 1000000 cycles DC-3 24 W 24 V inductive 1000000 cycles DC-3 50 W 48 V inductive 2000000 cycles DC-3 10 W 24 V inductive 2000000 cycles DC-3 24 W 48 V inductive 300000 cycles DC-12 100 W 48 V resistive 300000 cycles DC-12 50 W 24 V resistive 100000 cycles AC-14 440 VA 220...240 V inductive 100000 cycles AC-15 440 VA 220...240 V inductive 1000000 cycles AC-12 100 VA 48 V resistive 1000000 cycles AC-12 220 VA 100...120 V resistive 1000000 cycles AC-12 440 VA 220...240 V resistive 1000000 cycles AC-14 220 VA 220...240 V inductive 1000000 cycles AC-15 220 VA 220...240 V inductive 10000000 cycles AC-14 20 VA 100...120 V inductive 10000000 cycles AC-15 20 VA 100...120 V inductive 10000000 cycles AC-15 20 VA 220...240 V inductive 150000 cycles AC-14 220 VA 100...120 V inductive 150000 cycles AC-15 220 VA 100...120 V inductive 1500000 cycles AC-14 110 VA 100...120 V inductive 1500000 cycles AC-15 110 VA 100...120 V inductive 2000000 cycles AC-14 50 VA 48 V inductive 2000000 cycles AC-15 50 VA 48 V inductive 3000000 cycles AC-14 110 VA 220...240 V inductive 3000000 cycles AC-15 110 VA 220...240 V inductive 500000 cycles AC-12 200 VA 48 V resistive 500000 cycles AC-12 440 VA 100...120 V resistive 500000 cycles AC-14 50 VA 24 V inductive 500000 cycles AC-15 50 VA 24 V inductive 5000000 cycles AC-14 20 VA 48 V inductive 5000000 cycles AC-15 20 VA 48 V inductive 700000 cycles AC-12 100 VA 24 V resistive
Marking	CE
Electrical Connection	Screw terminal block
Current Consumption	55 mA 5 V DC 80 mA 24 V DC rack
Module Format	Standard
Net Weight	0.93 lb(US) (0.42 kg)
Environment	
Dielectric Strength	2000 V 50/60 Hz 60 s
Standards	CSA C22.2 No 213 Class I Division 2 Group D 73/23/EEC 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group A 92/31/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 142 IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 Group C
Product Certifications	DNV LR ABS BV RMRS GL RINA
Ambient Air Temperature For Operation	32...140 °F (0...60 °C)
Ambient Air Temperature For Storage	-13...158 °F (-25...70 °C)
Relative Humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating Altitude	0...6561.68 ft (0...2000 m)

Protective Treatment	TC
Ip Degree Of Protection	IP20
Pollution Degree	2

Ordering and shipping details

Category	US1PC2222558
Discount Schedule	PC22
Gtin	3389110725810
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	19.54 oz (554.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	9.77 lb(US) (4.432 kg)

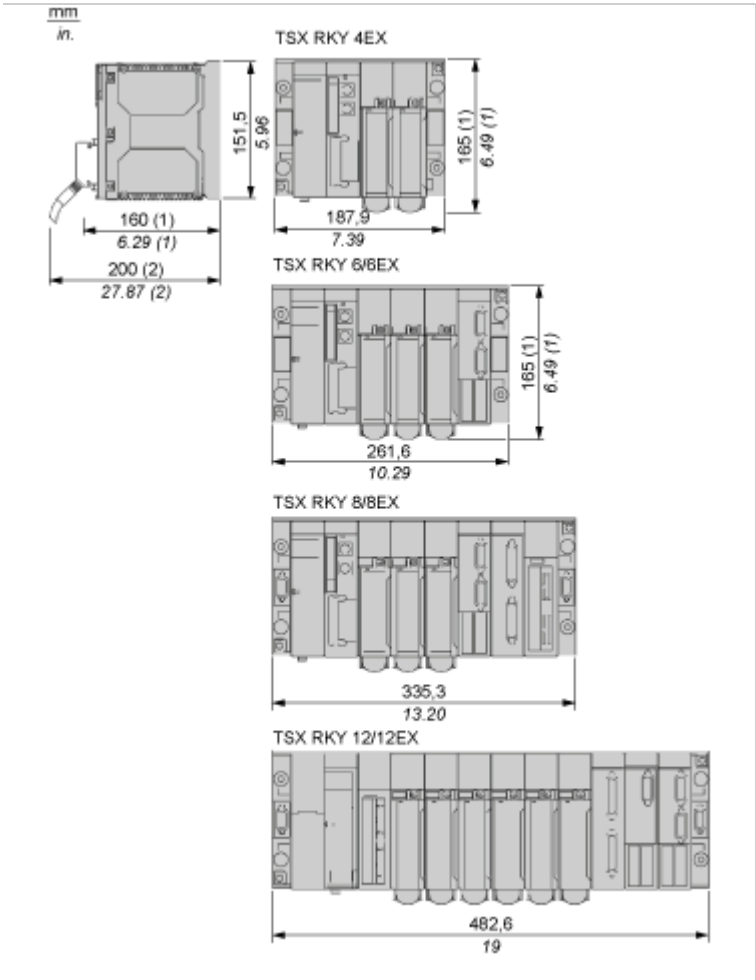
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

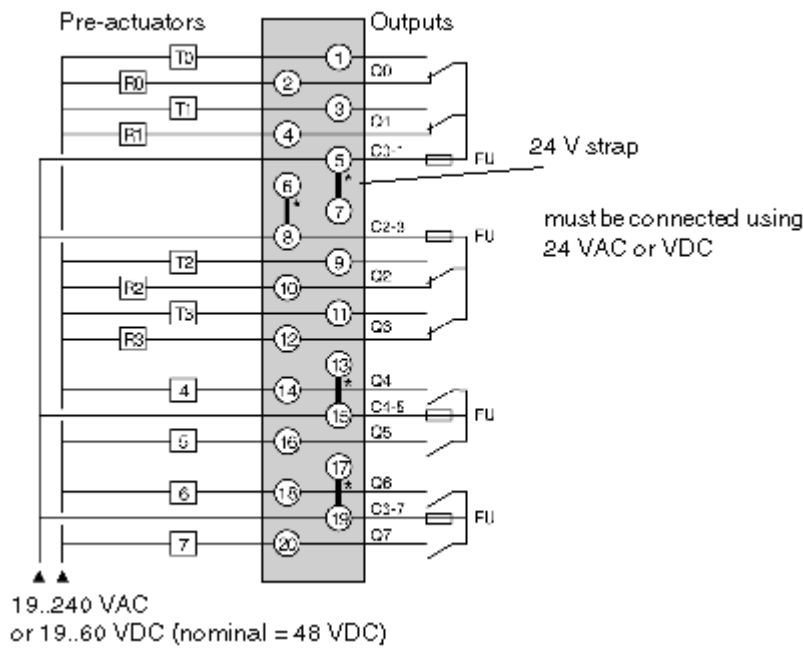


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

Discrete Relay Output 8-Channel Module for 5 A Thermal Current

Wiring Diagram



FU 6.3 A quick-blow fuse