

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)

Disclaimer: 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

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
Product 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

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.2 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package weight(Lbs)	19.5 oz (554.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	9.771 lb(US) (4.432 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

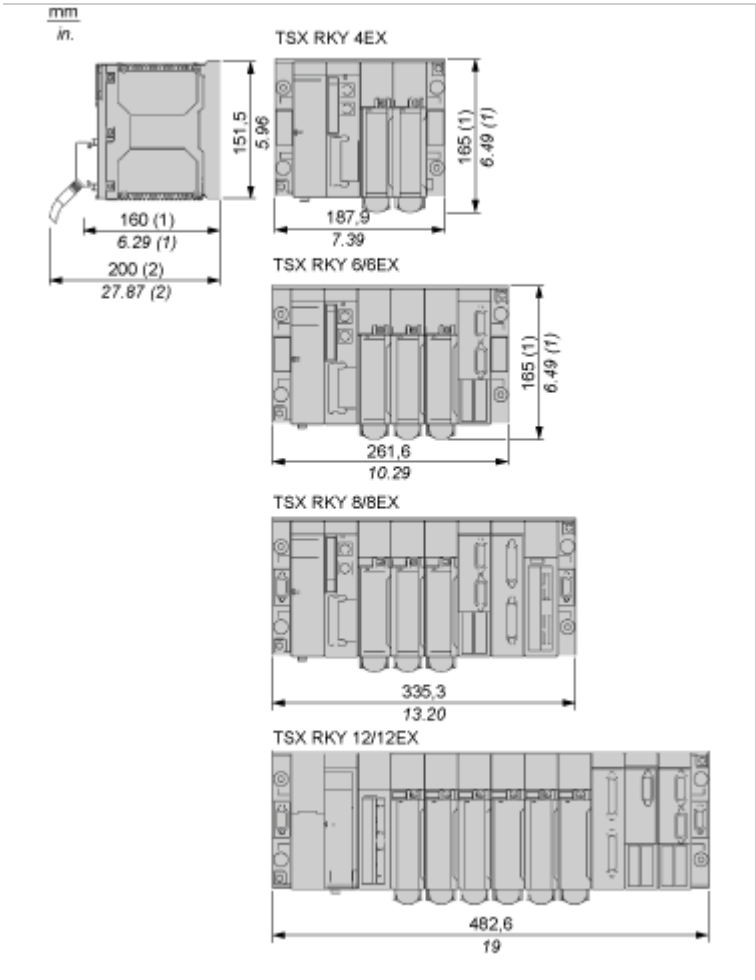
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

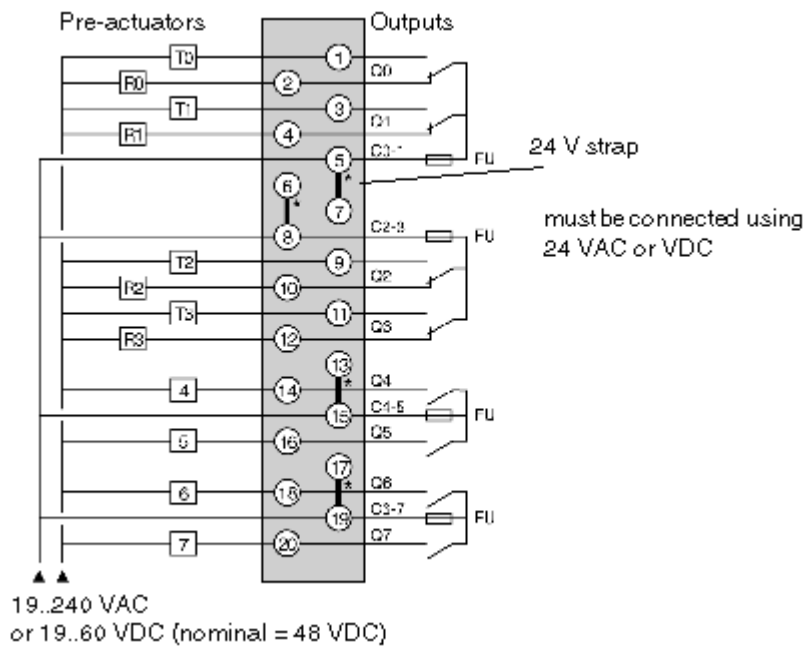


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

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

Wiring Diagram



FU 6.3 A quick-blow fuse