

# TSXDSY08R5

Discrete output module, Modicon Premium, 8 output relay, 0.25W, overvoltage protection by DC/AC inductive



## Main

Range of Product	Modicon Premium Automation platform
Product or Component Type	Discrete output module
Discrete output number	8
Discrete output type	Relay not protected
Discrete output voltage	12...24 V DC EN/IEC 61131-2 10...34 V 24...240 V AC EN/IEC 61131-2 20...264 V

## Complementary

[I <sub>th</sub> ] conventional free air thermal current	3 A
Response time	< 10 ms (deactivation) < 8 ms (activation)
Contacts type and composition	1 NO
Output overvoltage protection	DC inductive, by discharge diode on each preactuator AC inductive, by RC circuit MOV (ZNO) on each preactuator
Output overload protection	1 external fuse per channel or group of channel fast blow
Short-circuit protection	1 external fuse per channel or group of channel fast blow
Isolation resistance	> 10 MOhm 500 V
Power dissipation	(0.25 W + 0.2 W x No of outputs at state 1)
Electrical durability	1000000 Cycles DC-12 24 W 24 V resistive 1000000 Cycles DC-3 24 W 24 V inductive 2000000 Cycles DC-3 10 W 24 V inductive 300000 Cycles DC-12 40 W 24 V resistive 100000 Cycles AC-14 220 VA 220 V inductive 100000 Cycles AC-15 220 VA 220 V inductive 1000000 Cycles AC-12 110 VA 110 V resistive 1000000 Cycles AC-12 220 VA 220 V resistive 1000000 Cycles AC-12 50 VA 48 V resistive 1000000 Cycles AC-14 110 VA 220 V inductive 1000000 Cycles AC-15 110 VA 220 V inductive 150000 Cycles AC-14 110 VA 110 V inductive 150000 Cycles AC-15 110 VA 110 V inductive 1500000 Cycles AC-14 50 VA 110 V inductive 1500000 Cycles AC-15 50 VA 110 V inductive 2000000 Cycles AC-14 24 VA 48 V inductive 2000000 Cycles AC-15 24 VA 48 V inductive 3000000 Cycles AC-14 50 VA 220 V inductive 3000000 Cycles AC-15 50 VA 220 V inductive 500000 Cycles AC-12 110 VA 48 V resistive 500000 Cycles AC-12 220 VA 110 V resistive 500000 Cycles AC-14 24 VA 24 V inductive 500000 Cycles AC-15 24 VA 24 V inductive 5000000 Cycles AC-14 10 VA 110 V inductive 5000000 Cycles AC-14 10 VA 220 V inductive 5000000 Cycles AC-14 10 VA 48 V inductive 5000000 Cycles AC-15 10 VA 110 V inductive 5000000 Cycles AC-15 10 VA 220 V inductive 5000000 Cycles AC-15 10 VA 48 V inductive 700000 cycles AC-12 50 VA 24 V resistive
Marking	CE
Electrical connection	Screw terminal block

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Current consumption	55 mA 5 V DC 70 mA 24 V DC rack
Module format	Standard
Net Weight	0.73 lb(US) (0.33 kg)

## Environment

Dielectric strength	2000 V 50/60 Hz 60 s
Standards	UL 508 73/23/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group A 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 142 93/68/EEC
Product Certifications	BV[RETURN]GL[RETURN]ABS[RETURN]DNV[RETURN]RINA[RETURN]LR[RETURN]RMRS
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	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	3389110725803
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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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.

Discrete Relay Output 8-Channel Module for 3 A Thermal Current

Wiring Diagram

