



### Commercial status

Discontinued on: 31 December 2018

To be end-of-service on: 31 December 2026

TSXDSY16R5 has not been replaced. Please contact your customer care center for more information.

ⓘ Restricted Sales for Services

### Main

Range of product	Modicon Premium Automation platform
Product or component type	Discrete output module
Discrete output number	16
Discrete output type	Relay not protected
Discrete output voltage	12...24 V DC conforming to EN/IEC 61131-2 10...34 V 24...240 V AC conforming to EN/IEC 61131-2 20...264 V

### Complementary

[Ith] 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

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

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
Current consumption	135 mA at 24 V DC rack 80 mA at 5 V DC
Module format	Standard
Net weight	0.38 kg

## Environment

Dielectric strength	2000 V 50/60 Hz 60 s
Standards	73/23/EEC IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 Group B 92/31/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group D 93/68/EEC
Product certifications	BV RINA LR ABS RMRS GL DNV
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	482 g
Package 1 Height	5.5 cm
Package 1 width	18 cm
Package 1 Length	26 cm

## Contractual warranty

Warranty	18 months
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