

Schneider Series Service Manual

TSXDSY08R5

1. Description

The Schneider Electric TSXDSY08R5 is a discrete output module designed for efficient control applications. It features eight relay outputs and accommodates both DC and AC voltage ranges, making it versatile for various setups.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Discrete Output Module
Product	Line Modicon
Part	Number TSXDSY08R5
EAN	3389110725803
Weight	0.75 lbs (0.34 kg)
Number	of Outputs 8
Output	Type Relay
DC	Output Voltage Range 12-24 V DC (conforming to EN/IEC 61131-2)
AC	Output Voltage Range 24-240 V AC (conforming to EN/IEC 61131-2)
Conventional	Rated Free Air Thermal Current (Ith) 3A
Response	Type Activation: <8 ms, Deactivation: <10 ms
Contact	Type 1 NO contact
Overload	Protection 1 external fuse per channel or group
Isolation	Resistance >10 MΩ at 500 V
Power	Dissipation 0.25 W + 0.2 W × number of outputs in state 1
Description	
The	TSXDSY08R5 model by Schneider Electric is a discrete output module, catering to industrial control needs with its eight relay outputs. This unit is compatible with input voltages of 12 to 24 V DC and 24 to 240 V AC, adhering to EN/IEC 61131-2 regulations. Each output can sustain a conventional rated thermal current of 3A.

3. Product Information

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Technical specifications for TSXDSY08R5

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With a remarkably fast activation time of under 8 milliseconds and deactivation time beneath 10 milliseconds, this discrete output module is designed for quick response scenarios. It utilizes a contact type configuration, specifically a single normally open (NO) contact for each output. To protect against overload situations, an external fuse is recommended for each channel or group.

Additionally, the isolation resistance is impressive, exceeding 10 MΩ at 500 V, ensuring reliable performance in various environments. Power dissipation is calculated as 0.25 W plus an additional 0.2 W for each output in an active state.

The physical dimensions of the TSXDSY08R5 are 18 cm in width, 26 cm in height, and 5.5 cm in depth, with a lightweight design at 0.55 kg, allowing for efficient installation in diverse applications.