

Schneider TSXDSY08R5 Manual

Brand	Schneider
Product Series	Schneider
Product Type	Discrete Output Module

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.

Technical specifications for TSXDSY08R5

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 (I_{th}) 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.

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.

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