

Schneider Series Service Manual

TSXPSY1610

1. Description

The TSXPSY1610 module by Schneider Electric features a primary input voltage of 24 V DC, supporting a range from 19.2 to 30 V. Designed for Modicon series applications, this unit provides a maximum input current of 1500 mA at 24 V and can handle an inrush current of up to 100 A.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon
Part	Number TSXPSY1610
Weight	1.00 lbs (0.45 kg)
Primary	Voltage 24 V DC (19.2...30 V)
Input	Current ≤ 1500 mA at 24 V
Inrush	Current 100 A at 24 V
I²t	on Activation 12.5 A².s
Relative	Humidity Operating 10...95 % without condensation
Relative	Humidity Storage 5...95 % without condensation
Operating	Altitude 0...6561.68 ft (0...2000 m)
Protective	Treatment TC (Thermal Classification)
IP	Degree of Protection IP20
Pollution	Degree 2
Description	
The	Schneider Electric TSXPSY1610 is a power supply module designed for the Modicon series. It operates at a primary voltage of 24 V DC, with acceptable input voltage levels ranging from 19.2 to 30 V. The module delivers an input current of no more than 1500 mA at a nominal 24 V. It can handle a short inrush current of up to 100 A, indicating its capacity to manage sudden power demands. Activation parameters include an I²t of 12.5 A².s and an activation time (It) of 0.2 A.s, providing insights into

3. Product Information

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Technical specifications for TSXPSY1610

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Regarding environmental tolerances, this module maintains functionality in relative humidity levels between 10% and 95%, without any condensation during operation. For storage, it can withstand humidity levels from 5% to 95%, ensuring flexibility in varied conditions. The operating altitude for this module extends to 6561.68 ft (2000 m), covering numerous installation scenarios. Protection against environmental factors is provided by an IP20 rating, making it suitable for controlled environments. It holds a pollution degree rating of 2, denoting its applicability in areas where occasional pollutants may be present. Additionally, a protective treatment classified as TC (Thermal Classification) ensures the module can endure thermal stress associated with operation. Overall, the TSXPSY1610 is engineered for robust performance in various industrial applications.