

Schneider Series Service Manual

TSX07211622

1. Description

The TSX07211622 by Schneider Electric represents a programmable logic controller designed for versatile industrial applications. Operating with a nominal voltage of 24 VDC, this controller supports dual-rated output voltage for both AC and DC usage.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Programmable Logic Controller
Product	Line TSX Micro PLCs
Part	Number TSX07211622
Power	Supply Voltage 24 VDC (nominal)
Input	Current per Channel 13 mA @ 24 VDC (sinking/sourcing compatibility)
Output	Current Capacity 2 A per channel (resistive/inductive load support)
Output	Voltage Range 240 VAC / 30 VDC (dual-rated for AC/DC applications)
Output	Type Relay-based switching (electromechanical contacts)
Mounting	Configuration Compact brick-style housing (fixed DIN rail mounting)
Input	Voltage Tolerance 24 VDC ±10% (stable operation within range)
Output	Contact Configuration Form-C (SPDT) relay contacts
Application	Suitability Material handling, packaging, textile machinery

3. Product Information

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Technical specifications for TSX07211622

Manufacturer Schneider Electric

Product Type Programmable Logic Controller

Product Line TSX Micro PLCs

Part Number TSX07211622

Power Supply Voltage 24 VDC (nominal)

Input Current per Channel 13 mA @ 24 VDC (sinking/sourcing compatibility)

Output Current Capacity 2 A per channel (resistive/inductive load support)

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Mounting Configuration Compact brick-style housing (fixed DIN rail mounting)

Input Voltage Tolerance 24 VDC ±10% (stable operation within range)

Output Contact Configuration Form-C (SPDT) relay contacts

Application Suitability Material handling, packaging, textile machinery

Description

The Schneider Electric TSX07211622 is a programmable logic controller designed for efficiency in a range of applications, including material handling and textile machinery. It functions at a nominal power supply voltage of 24 VDC, ensuring reliable operation across various industrial setups. Each channel is capable of handling an input current of 13 mA, supporting both sinking and sourcing configurations.

This controller is designed to provide robust output with a capacity of 2 A per channel, suitable for both resistive and inductive loads. It features a dual-rated output voltage range of 240 VAC or 30 VDC, making it versatile for different types of applications. The output is based on relay switching, utilizing electromechanical contacts for reliable activation of external devices.

In terms of physical design, the TSX07211622 has a compact brick-style housing that allows for simple installation on fixed DIN rails. This design choice facilitates easy integration into existing systems. The input voltage operates within a tolerance of 24 VDC ±10%, ensuring stable functionality under varying conditions. The output contact configuration is recognized as form-C (SPDT), providing flexibility in how devices are connected and controlled.