

Schneider Series Service Manual

170XTS02100

1. Description

The Schneider Electric 170XTS02100, part of the Modicon Momentum series, functions as a ModBus Plus line terminator. This unit is designed for installation on a DIN rail or panel and accommodates varying applications such as conveyor belts and HVAC systems.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type ModBus Plus Line Terminator
Product	Line Modicon Momentum
Part	Number 170XTS02100
UPC	785901401957
Mounting	DIN rail or panel mount
Humidity	Range 5% to 95% non-condensing
Storage	Temperature -25°C to 70°C
Operating	Temperature -10°C to 55°C
Mechanical	Dimensions 100 x 100 x 40 (mm)
Power	Supply 24V DC
Enclosure	Protection IP20
Compatibility	Compatible with Modicon Premium, Momentum, and Quantum automation platforms
Connection	Type RJ45 connectors for ModBus Plus communication
Shock	Resistance 50g peak
Vibration	Resistance 5g RMS
Certifications	CE, UL, and CSA certified

3. Product Information

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Technical specifications for 170XTS02100

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Power Supply 24V DC

Enclosure Protection IP20

Compatibility Compatible with Modicon Premium, Momentum, and Quantum automation platforms

Connection Type RJ45 connectors for ModBus Plus communication

Shock Resistance 50g peak

Vibration Resistance 5g RMS

Certifications CE, UL, and CSA certified

The 170XTS02100 from Schneider Electric is engineered as a ModBus Plus line terminator, playing an essential role in communication networks. It can be mounted either on a DIN rail or directly on a panel, providing versatile installation options. This device is built to perform effectively in environments with humidity levels between 5% and 95% without condensation. It operates comfortably within a temperature range of -10°C to 55°C and can sustain storage conditions from -25°C to 70°C.

At a weight of 0.5 kg, the unit measures 100 mm by 100 mm by 40 mm. Its operation is powered by a 24V DC supply. With an IP20 protection rating, it is designed to resist dust and solid objects greater than 12 mm, although it is not waterproof. The 170XTS02100 provides compatibility with various Schneider Electric platforms, such as Modicon Premium, Momentum, and Quantum, making it a flexible component in automation design.

This line terminator employs RJ45 connectors for ModBus Plus communications, essential for establishing robust industrial networks. In terms of resilience, it can withstand shocks of up to 50g and vibrations rated at 5g RMS, ensuring reliable operation in challenging settings. Furthermore, it meets various certification standards, including CE, UL, and CSA, ensuring its reliability and safety for industrial applications, such as knitting machines and robotic arms.