Schneider □□□ Series Service Manual

TSX17-ACC1

1. Description

The TSX17-ACC1 is a backup power module from Schneider Electric's TSX Micro PLCs series. Capable of delivering a nominal output of 3.6 volts DC, this unit provides 1200 mAh energy storage, making it suitable for specific low-current applications.

2. Specifications

Specification	Value
Manufacturer	**Schneider Electric**
Product	**Type Backup power module**
Product	**Line TSX Micro PLCs**
Part	**Number TSX17-ACC1**
Weight	**0.06 lbs (0.03 kg)**
Nominal	**Voltage 3.6 volts DC output**
Energy	**Storage Capacity 1200 milliampere-hours (mAh)**
Electrochemical	**Composition Lithium-based primary cell chemistry (non-rechargeable)**
Maximum	**Discharge Current 100 milliamperes (0.1 A) continuous load capacity**
Operating	**Temperature Range -40°C to +85°C**
Storage	**Temperature Range -60°C to +85°C**
Shelf	**Life Up to 10 years at 20°C**
Discharge	**Characteristics Flat voltage curve under low-current PLC backup applications**
Safety	**Certifications Compliant with IEC 60086 and UL 1642 standards**

3. Product Information

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Technical specifications for TSX17-ACC1

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Discharge Characteristics Flat voltage curve under low-current PLC backup applications

Safety Certifications Compliant with IEC 60086 and UL 1642 standards

Description

The Schneider Electric TSX17-ACC1 functions as a dedicated backup power module designed for the TSX Micro PLCs series. The nominal voltage output for this module is rated at 3.6 volts DC, providing necessary power to support various low-current applications. With an energy storage capacity of 1200 milliamp-hours (mAh), this module is engineered strictly for non-rechargeable lithium chemistries, ensuring reliable performance.

It can maintain a maximum continuous discharge current of 100 milliamperes, making it suitable for sustaining PLC operations. Weighing around 15 grams, the module is easy to incorporate into control systems. Its operational temperature limits span from -40°C to +85°C, which allows it to maintain functionality in extreme environmental conditions.

Moreover, the TSX17-ACC1 can be stored in varying temperature ranges from -60°C to +85°C, accommodating flexibility in usage scenarios. This backup module boasts a shelf life of up to 10 years at a standard temperature of 20°C, enhancing its practicality for long-term storage.

The unit features a consistent flat voltage curve, which is conducive for low-current backup needs in PLC applications. Additionally, the TSX17-ACC1 meets several safety certifications, including IEC 60086 and UL 1642 standards, ensuring it adheres to reliable operational expectations in commercial and industrial settings.