

Schneider Series Service Manual

52-0422-000

1. Description

The Schneider Electric 52-0422-000 is a trunk terminator designed specifically for automotive automation systems. It functions effectively within Modicon Quantum architectures, delivering reliable termination features for coaxial cable setups.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Trunk Terminator
Product	Line Modicon Quantum
Part	Number 52-0422-000
UPC	785901795544
Termination	Impedance 75 Ω characteristic impedance
Power	Handling Capacity Rated for 75 W power dissipation
Termination	Type Coaxial cable termination
Compliance	Status Not compliant with RoHS
Environmental	Certification Excluded from Green Premium sustainability classification
Signal	Integrity Assurance Prevents signal disruptions and reflections in coaxial networks
System	Compatibility Optimized for Modicon Quantum automation platform architectures
Termination	Configuration Single-unit set for trunk line termination
Thermal	Performance Stable operation in industrial temperature ranges

3. Product Information

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Technical specifications for 52-0422-000

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System Compatibility Optimized for Modicon Quantum automation platform architectures

Termination Configuration Single-unit set for trunk line termination

Thermal Performance Stable operation in industrial temperature ranges

Description

The trunk terminator marked as 52-0422-000 by Schneider Electric is a critical component intended for coaxial cable configurations within automation systems. This product specializes in ensuring optimal signal integrity by preventing disruptions and reflections, thereby enhancing the performance of coaxial networks. Operating with a characteristic impedance of 75 Ω , this terminator efficiently manages power dissipation, boasting a capacity of 75 W. It is important to note that the module is not RoHS compliant and falls outside the Green Premium sustainability certification.

This unit is tailored to integrate seamlessly with the Modicon Quantum automation platform, thereby adding value and reliability to system structures. Recommended for systematic trench line termination, this single-unit design ensures ease of installation and optimized operation in various industrial settings. They are also engineered to deliver stable performance across a range of industrial temperatures. Overall, the 52-0422-000 trunk terminator is essential for maintaining effective communication and robustness in arrayed automation solutions.