

TRICONEX SAFETY SYSTEM

Product Data Sheet

4210

Single-mode primary extender module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Single-mode primary extender module	Triconex safety system	United States	1.95 kg

Triconex 4210 is a Single-mode primary extender module for the Triconex safety system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Type	Single-mode primary extender module
Order Reference	4210
System Platform	Triconex safety control system
Primary Function	Transmits I/O bus over single-mode fibre
Channel or Port Capacity	Up to three remote sites
Electrical Classification	Single-mode fibre up to 12 km
Compatible Hardware	4211 remote RXM sets
Mounting Arrangement	Primary Tricon chassis
Connection Interface	Six ST fibre paths per site
Diagnostic Coverage	PASS-FAULT-ACTIVE-TX-RX1-RX2-RX3

ADDITIONAL PRODUCT DATA

Documented Variant	Primary single-mode RXM
Operating Environment	0 to 60 °C controller service
Storage Environment	–40 to 75 °C equipment storage
Relative Humidity	5 to 95% non-condensing
Commissioning Requirement	Verify every affected safety path

OFFICIAL APPLICATIONS

- Transmit three TMR fibre channels: Send the Tricon I/O bus from the main chassis to remote expansion locations using the documented single-mode paths.
- Serve up to three remote sites: Assign RX1, RX2 and RX3 to their recorded destinations and maintain six fibres for each triplicated remote link.
- Diagnose optical performance: Check transmit, receive and fault indicators, then confirm all remote I/O resumes communication without channel errors.

SYSTEM COMPATIBILITY

Match 4210 to the installed Triconex safety system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Tricon Technical Product Guide

<https://www.se.com/ww/en/work/products/industrial-automation-control/triconex-safety-systems/>

AMIKON PRODUCT SUPPORT

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