

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8311

Trusted TMR expander interface module



ROLE	LOCATION	ADAPTER	KEY INDEX
Expander interface	Controller I/O pair	T8312	1, 2 and 6

ICS Triplex T8311 is a Trusted TMR expander interface that connects the controller inter-module bus to the expander bus. Its architecture separates three main fault containment regions and a monitoring region, with isolated paths supporting communication between the controller and expansion hardware.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8311
Nominal backplane power feeds	Dual redundant 24 V DC feeds
Expansion bus architecture	Triplicated point-to-point command and response paths
Fault containment arrangement	3 main regions plus a non-critical monitoring region
Primary and secondary positions	Adjacent controller I/O slots; primary in the odd slot
Pair connection adapter	T8312 Expander Interface Adapter
Local expansion cable	TC-301 via the specified adapter
Remote expansion connection	TC-302 to the specified fibre transmitter/receiver units

02 TECHNICAL DATA

Mechanical cable key positions	1, 2 and 6; not electrical terminal numbers
Configuration requirement	Engineering entry for each module and its chassis/slot
Initial operating state	Standby on power-up
Channel health display	Separate Healthy A, B and C indicators
Operating mode display	Separate Active and Standby indicators

03 APPLICATION AND CONFIGURATION

- Controller-side interface only; expander processors are separate hardware with their own slot requirements.
- Controller I/O placement follows the installation and configuration text; conflicting summary-table entries are omitted.
- Product Notice 200905003 is indexed by Rockwell. Full text requires login; actual-unit applicability remains unverified.

04 OFFICIAL DOCUMENTATION

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PDF pp. 9-13: architecture and installation; p. 15: configuration; pp. 20-23: operating states and indicators.

Product Notice 200905003 - full answer requires login

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

AMIKON PRODUCT SUPPORT

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