

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8314

Trusted fibre transmitter receiver

LINK	OPTICS	SUPPLY	POWER
Trusted expander	Single-mode / SC	18-32 V DC	1.7 W maximum

ICS Triplex T8314 is a fibre transmitter and receiver for the Trusted expander bus. It converts the copper communication path to single-mode optical transmission, allowing the expander chassis to be separated from the controller through the documented remote-link arrangement.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8314
Supply voltage	18 to 32 V DC
Maximum power consumption	1.7 W
Power feed arrangement	Two diode-ORed nominal 24 V DC inputs
Optical medium	Single-mode fibre, 1300 nm specification
Optical connectors	SC; separate transmit and receive fibres
Link data rate	250 Mb/s
Complete remote link	Six units; three independent pairs and six fibres

02 TECHNICAL DATA

Maximum link skew	80 ns propagation-time difference across the three links
Local configuration	No unit configuration required before installation
Diagnostics	Via expander interface and processor; no local unit diagnostics
DIN rail mounting	TS32 or TS35; horizontal or vertical
Fibre routing clearance	At least 200 mm on either side; confirm chosen cable bend radius
Optical transmitter power	-15 dBm minimum
Receiver sensitivity	-28 dBm
Operating temperature	0 to +60 degrees C

03 APPLICATION AND CONFIGURATION

- Optical transport for a remote Trusted expander; not an Ethernet or field I/O interface.
- Complete links use three independent pairs. Verify cable routing, skew and the system timeout.
- No local configuration is required; check communication through the expander diagnostics.

04 OFFICIAL DOCUMENTATION

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Overview pp. 1, 11-13; installation p. 15; cables p. 17; optics p. 19; connectors p. 21; ratings p. 23.

C-option scope: ICSTT-CT004L, page 2; confirm actual catalog suffix.

Independent Amikon summary, not an OEM manual. Follow the complete manufacturer instructions and approved project safety procedure. Original manual pages are not reproduced.

AMIKON PRODUCT SUPPORT

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