

Item no.: 387713

## TCF-142-S-ST - RS-232/422/485 to single-mode fibre optic media converter with fibre optic ring support

from **425,18 EUR**

Item no.: 387713  
shipping weight: 0.30 kg  
Manufacturer: MOXA



### Product Description

Moxa's industrial-grade serial to fibre converters can convert RS-232/422/485 to fibre, providing users with an easy and reliable way to communicate with their serial devices. RS-232/422/485 to single mode fibre media converter with fibre ring support and ST connector, 0 to 60°C operating temperature Serial interface Number of ports- 2 Serial standards- RS-232- RS-422- RS-485 Baud rate- 50 bps to 921.6 kbps (supports non-standardised baud rates) Flow Control- ADDC (automatic data direction control) for RS-485 Fibre optics Pull high/low resistor for RS-485- 1 kilo-ohm, 150 Kilo-Ohm RS-485 Data Direction Control- ADDC (automatic data direction control) Terminator for RS-485- N/A, 120 Ohm, 120 Kilo-Ohm Connector- Single-Mode ST Connector Latency- 300 ns Serial Signals RS-232- Tx D, Rx D, GND RS-422- Tx+, Tx-, Rx+, Rx-, GND RS-485- 4w- Tx+, Tx-, Rx+, Rx-, GND RS-485- 2w- Data+, Data-, GND Performance parameters Number of current inputs- 1 Input current- 70 to 140 mA @ 12 to 48 VDC Input voltage- 12 to 48 VDC Overload current protection- Supports Power connection- Terminal block Current consumption- 70 to 140 mA @ 12 to 48 VDC Reverse polarity protection- Supported Physical properties IP protection class- IP30 Housing- Metal Dimensions (with ears)- 90 x 100 x 22 mm (3.54 x 3.94 x 0.87 in) Dimensions (without ears)- 67 x 100 x 22 mm (2.64 x 3.94 x 0.87 in) Weight- 320 g (0.71 lb) Installation- Wall mounting Environmental conditions Operating temperature- 0 to 60°C (32 to 140°F) Storage temperature (including packaging)- -40 to 85°C (-40 to 185°F) Relative humidity- 5 to 95% (non-condensing) Standards and certifications EMC- EN 55032/35 EMI- CISPR 32, FCC Part 15B Class A EMS- IEC 61000-4-2 ESD: Contact: 4 kV; air: 8 kV- IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m- IEC 61000-4-4 EFT: Power: 1 kV- IEC 61000-4-5 Surge: Power: 1 kV- IEC 61000-4-6 CS: 3 V- IEC 61000-4-8 PFM Environmental testing- IEC 60068-2-1- IEC 60068-2-2- IEC 60068-2-3 Safety- UL 60950-1 Vibration- IEC 60068-2-6 MTBF Time- 780,480 hours Standards- Telcordia (Bellcore), GB

### Specifications

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All details, up-to-date  
prices and availability

