



## Product information RT2-TX/FX

### Industrial Ethernet:Entry Level Hubs And Switches:Rail Transceiver:RT2-TX/FX

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49855-24477-34248/en/conf/uisstate>

Name	RT2-TX/FX
	
	Industrial ETHERNET media converter, 100BASE-FX-Multimode and 100BASE-TX
<b>Delivery informations</b>	
Availability	no longer available
<b>Product description</b>	
Description	Industrial ETHERNET media converter, 100BASE-FX-Multimode and 100BASE-TX
Port type and quantity	1 x 100BASE-FX, MM cables, SC sockets, 1 x 100BASE-TX, TP cable, RJ45 socket
Type	RT2-TX/FX
Order No.	943 658-002
replaced by	SPIDER 1TX/1FX
<b>More Interfaces</b>	
Power supply/signaling contact	1 plug-in terminal block, 5-pin
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 - 100 m
Multimode fiber (MM) 50/125 µm	0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km
Multimode fiber (MM) 62.5/125 µm	0 - 4000 m, 11 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km
<b>Network size - cascadiability</b>	
Path delay value	84 BT (Class 2 Repeater)
<b>Power requirements</b>	
Operating voltage	24 V DC (-25% to +30%)
Current consumption at 24 V DC	max. 240 mA
<b>Service</b>	
Diagnostics	LEDs (power, data, link status), signal contact (24 V DC / 1 A)
<b>Redundancy</b>	
Redundancy functions	redundant 24 V power supply
<b>Mechanical construction</b>	
Dimensions (W x H x D)	47 mm x 135 mm x 111 mm
Mounting	DIN Rail 35 mm
Weight	230 g
Protection class	IP 20
<b>Ambient conditions</b>	
Operating temperature	0 °C to +60 °C
Storage/transport temperature	-25 °C to +75 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	137 years; MIL-HDBK 217F: Gb 25 °C
<b>Mechanical stability</b>	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	1 mm, 2 Hz - 13.2 Hz, 90 min.; 0.7g, 13.2 Hz - 100 Hz, 90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
<b>EMC interference immunity</b>	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
<b>EMC emitted immunity</b>	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A



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<b>EN 55022</b>	EN 55022 Class A
<b>Approvals</b>	
<b>Safety of industrial control equipment</b>	cUL 508 (pending)
<b>Hazardous locations</b>	ATEX 100a, Zone 2
<b>Safety of information technology equipment</b>	cUL 60950-1 (pending)
<b>ATEX 100a</b>	EEx nL IIC T4
<b>Shipbuilding</b>	Germanischer Lloyd
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	device, terminal block, operating manual
<b>Accessories to order separately</b>	rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

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