



## Product information RT2-TX/FX

Industrial Ethernet:Archive - Industrial Ethernet:Unmanaged Industrial Ethernet Switches:Rail Transceiver:RT2-TX/FX

<http://e-catalog.hirschmann.com/link/57078-24455-49814-49855-24477-34248/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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EN 55022	EN 55022 Class A
<b>Approvals</b>	
Safety of industrial control equipment	cUL 508 (pending)
Hazardous locations	ATEX 100a, Zone 2
Safety of information technology equipment	cUL 60950-1 (pending)
ATEX 100a	EEx nL IIC T4
Shipbuilding	Germanischer Lloyd
<b>Scope of delivery and accessories</b>	
Scope of delivery	device, terminal block, operating manual
Accessories to order separately	rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame

For more information please contact:

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