



HIRSCHMANN

A BELDEN BRAND

Product information RS2-3TX/2FX EEC

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:RS2-Switches:RS2-3TX/2FX EEC

Name	RS2-3TX/2FX EEC
	
	Unmanaged Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Delivery informations	
Availability	available
Product description	
Description	Unmanaged Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Port type and quantity	3 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 2 x 100BASE-FX, MM cables, SC sockets
Type	RS2-3TX/2FX EEC
Order No.	943 771-001
More Interfaces	
Power supply/signaling contact	1 plug-in terminal block, 5-pin
Network size - length of cable	
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
Network size - cascading	
Line - / star topology	any
Power requirements	
Operating voltage	24 V DC (-25% to +30%)
Current consumption at 24 V DC	max. 230 mA
Power consumption	max. 5,9 at 24 V DC
Service	
Diagnostics	LEDs (power, link status, data, error), signal contact / fault relays (24 V DC / 1 A)
Redundancy	
Redundancy functions	redundant 24 V power supply
Ambient conditions	
Operating temperature	-40 °C to +70 °C
Storage/transport temperature	-40 °C to +85 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	43,4 years; MIL-HDBK 217F; Gb 25 °C
Mechanical construction	
Dimensions (W x H x D)	47 mm x 135 mm x 111 mm
Mounting	DIN Rail 35 mm
Weight	320 g
Protection class	IP 20
Mechanical stability	
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.
EMC interference immunity	
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)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A



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EN 55022	EN 55022 Class A
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Approvals

Safety of industrial control equipment	cUL 508
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Hazardous locations	ISA 12.12.01 Class 1 Div. 2
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Shipbuilding	Germanischer Lloyd
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Scope of delivery and accessories

Scope of delivery	device, terminal block, operating manual
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Accessories to order separately	rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame
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The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.