

Product information

RS2-FX/FX

Industrial Ethernet:Archive - Industrial Ethernet:Entry Level Hubs And Switches:Managed Rail Switches:RS2-FX/FX

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49814-49855-24478-34224/en/conf/uistate>

Name	RS2-FX/FX
	
	Managed Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Delivery informations	
Availability	no longer available
Product description	
Description	Managed Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Port type and quantity	5 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 2 x 100BASE-FX, MM cables, SC sockets
Type	RS2-FX/FX
Order No.	943 653-800
Frontend Module	
Modulation	serial interface, web interface SNMP v1/v2/v3, HiVision, autom. topology detection (IEEE 802.1ab)
More Interfaces	
Power supply/signaling contact	1 plug-in terminal block, 5-pin
V.24 interface	1 x RJ11 socket
Standby port	1 x RJ45 socket
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 - cascadiability	
Line - / star topology	any
Ring structure (HIPER-Ring) quantity switches	50 (reconfiguration time < 0.5 sec.)
Power requirements	
Operating voltage	24 V DC (-25% to +30%)
Current consumption at 24 V DC	max. 375 mA
Service	
Diagnostics	LEDs (power, link status, data, standby, redundancy manager), signal contact / fault relays (24 V DC / 1 A), RMON (statistics, history, alarms, events), port mirroring.
Configuration	terminal SW, BOOTP, DHCP, DHCP option 82, auto-configuration adapter (ACA 11)
Security	port security (MAC based and IP based), SNMPv3
Other services	prioritization (IEEE 802.1D/p), VLAN (802.1Q), multicast (IGMP snooping/querier, GMRP), broadcastlimiter, SNTP (simple network time protocol), PTP (precision time protocol, IEEE 1588), flow control IEEE 802.3x
Redundancy	
Redundancy functions	HIPER-Ring (ring structure), RSTP (rapid spanning tree protocol), redundant network/ ring coupling (master/receiver), dual homing (master/receiver), redundant 24 V power supply
Ambient conditions	
Operating temperature	0 °C to +60 °C
Storage/transport temperature	-25 °C to +70 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	24.6 years; MIL-HDBK 217F; Gb 25 °C
Mechanical construction	
Dimensions (W x H x D)	110 mm x 131 mm x 111 mm
Mounting	DIN Rail 35 mm
Weight	460 g
Protection class	IP 20

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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
EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	cUL 508 (E175531)
Hazardous locations	cUL 1604 Class 1 Div 2 (E203960)
Safety of information technology equipment	cUL 60950 (E168643)
Germanischer Lloyd	Germanischer Lloyd (15 662 - 00 HH)
Scope of delivery and accessories	
Scope of delivery	device, terminal block, operating manual
Accessories to order separately	rail power supply RPS 30, RPS 60 or RPS 120, terminal cable, HiVision network management, auto-configuration adapter (ACA 11), 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

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