



RS2-5TX

Industrial Networking:Industrial Ethernet:Rail Family:Unmanaged Rail-Switches

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	5 x 10/100Base-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity
Type	RS2-5TX
Order No.	943 732-002
More Interfaces	
Power supply/signaling contact	1 plug-in terminal block, 5-pin / no signal contact
Network size - length of cable	
Twisted pair (TP)	0 - 100 m
Network size - cascability	
Line - / star topology	any
Power requirements	
Operating voltage	24 V DC (-25% to +30%)
Current consumption at 24 V DC	max. 130 mA
Service	
Diagnostics	LEDs (power, link status, data, error)
Redundancy	
Redundancy functions	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	116.3 years; MIL-HDBK 217F: Gb 25 °C
Mechanical construction	
Dimensions (W x H x D)	40 mm x 145 mm x 80 mm
Mounting	DIN Rail 35 mm
Weight	520 g
Protection class	IP 20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	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)	4 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: 1 kV (line/earth), 0.5 kV (line/line), 1 kV data line
EN 61000-4-6 conducted immunity	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)

Scope of delivery and accessories

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