HIRSCHMANN
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Product: LRS42-7TX/3SFP/1C

7x FE/GE TX, 3x FE/GE SFP, 1x FE/GE Combo, 46-57 V DC, -40-+60°C, Lite Managed, PoE/PoE+

Product Description

Lite Managed Rail-Mount Industrial Ethernet/Fast-Ethernet Switch with 7 x 10/100/1000BASE-TX, 3x 100/1000BASE-FX SFP, 1x Combo (10/100/1000BASE-TX and 100/1000BASE-FX SFP), PoE/PoE+ on 8 ports power budget max. 180W, Store and Forward Switching Mode, HiEOS Layer 2 Software

Technical Specifications

Product description

Part Number:	942328004
Port type and quantity:	7x FE/GE TX, 3x FE/GE SFP, 1x FE/GE Combo

More Interfaces

Power supply/signaling contact:	1 x plug-in terminal block, 6-pin

Network size - length of cable

Twisted pair (TP):	0 - 100 m

Power requirements

Operating Voltage:	48 VDC (PoE) / 54 VDC (PoE+)
Power consumption:	196.3W
Power output in BTU (IT)/h:	56

Software

Switching:	Static Unicast/Multicast Address Entries, VLAN (802.1Q), Independent VLAN Learning, QoS/Port Prioritization (802.1D/p), TOS/DSCP Prioritization, CoS Queue Management, Queue-Shaping/Max. Queue Bandwidth, Jumbo Frames, IGMP Snooping/Querier (v1/v2/v3), Unknown Multicast Filtering, IGMP Group Filtering per Port, Flow Control (802.3X), Egress Interface Shaping, Ingress Storm Protection
Redundancy:	MRP Client, RSTP 802.1D-2004 (IEC62439-1), ERPS (G.8032), ERPS v2 (G.8032)
Management:	LLDP (802.1AB), LLDP-MED, Password change on first login, SSHv2, HTTP, HTTPS, Responsive GUI, SNMP v1/v2/v3, Traps, Telnet, TFTP, Dual Software Image Support
Diagnostics:	Management Address Conflict Detection, LEDs, Device Status Indication, Syslog, Link Speed and Duplex Monitoring, RMON (1, 2, 3, 9), Port Mirroring 1:1, Port Mirroring N:1, System Information, SFP Management
Configuration:	Web-based Management, HiDiscovery, Command Line Interface (CLI), Full-featured MIB Support
Security:	MAC Address Limit Per Port, Restricted Management Access, Appropriate Use Banner, Multiple Privilege Levels, Local User Management
Time synchronisation:	NTP Client

Ambient conditions

MTBF (Telecordia SR-332 Issue 3) @ 25°C:	3 177 412 h
Air Pressure (Operation):	min 795 hPa
Operating temperature:	-40-+60 °C
Storage/transport temperature:	-40 °C to +85 °C

Mechanical construction

Dimensions (WxHxD):	68 x 135 x 118 mm
Weight:	720 g

Mounting:	DIN Rail
Protection class:	IP30

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 MHz - 1 GHz), 3 V/m (1,4 GHz – 6GHz)
EN 61000-4-4 fast transients (burst):	2 kV power line, 2 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:	10 V (150 kHz-80 MHz)

EMC emitted immunity

EN 55032:	EN 55032 Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

Approvals

Basis Standard:	CE, FCC, EN61131
Safety of industrial control equipment:	cUL 61010-1 (pending)

Reliability

Guarantee:	60 months (please refer to the terms of guarantee for detailed information)

Scope of delivery and accessories

Accessories to Order Separately:	SFP Transceivers, Rail Power Supply, Mounting Accessories
Scope of delivery:	Device, Terminal Block, Start-up Instructions, Saftey Instructions

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Software Download:	https://hirschmann-support.belden.com/en-US/downloads

History

Update and Revision:	Revision Number: 0.30 Revision Date: 01-11-2024

Variants

Item #	Type
942328004	LRS42-7TX/3SFP/1C

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