HIRSCHMANN
A BELDEN BRAND



# Product: LRS40-7TX/3SFP/1C

7x FE/GE TX, 3x FE/GE SFP, 1x FE/GE Combo, 9.6-32 V DC, -40-+60°C, Lite Managed

## 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), Store and Forward Switching Mode, HiEOS Layer 2 Software

## Technical Specifications

### Product description

| | |
|---|---|
| Part Number: | 942328003 |
| 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

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|---|---|
| Twisted pair (TP): | 0 - 100 m |

### Power requirements

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|---|---|
| Operating Voltage: | 24 VDC |
| Power consumption: | 8.2W |
| Power output in BTU (IT)/h: | 28 BTU/h |

### Software

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|---|---|
| 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

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|---|---|
| MTBF (Telecordia SR-332 Issue 3) @ 25°C: | 3 867 661 h |
| Air Pressure (Operation): | min 795 hPa |
| Operating temperature: | -40-+60 °C |
| Storage/transport temperature: | -40-+85 °C |
| Relative humidity (non-condensing): | 5-95 % |

### Mechanical construction

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|---|---|
| Dimensions (WxHxD): | 68x135x118 mm |

| | |
|---|---|
| Weight: | 680 g |
| Mounting: | DIN Rail |
| Protection class: | IP30 |

## EMC interference immunity

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|---|---|
| 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

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|---|---|
| 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 |

## Reliability

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

## Scope of delivery and accessories

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

## Further Instructions

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

## History

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|---|---|
| Update and Revision: | Revision Number: 0.32 Revision Date: 06-04-2024 |

**Variants**

| Item # | Type |
|---|---|
| 942328003 | LRS40-7TX/3SFP/1C |

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