HIRSCHMANN
A BELDEN BRAND



Product: GECKO 8TX-PN

8x FE TX, 12-24 V DC, -40 to 60 , Lite Managed, Profinet

Product Description

Lite Managed Industrial ETHERNET Rail-Switch, Ethernet/Fast-Ethernet Switch, Store and Forward Switching Mode, fanless design.

Technical Specifications

Product description

Type:	GECKO 8TX-PN
Description:	Lite Managed Industrial ETHERNET Rail-Switch, Ethernet/Fast-Ethernet Switch, Store and Forward Switching Mode, fanless design.
Part Number:	942291301
Port Type and Quantity:	8 x 10BASE-T/100BASE-TX, TP-cable, RJ45-sockets, auto-crossing, auto-negotiation, auto-polarity

Product Life Cycle

Last Order Date:	2026-10-31
Last Delivery Date:	2027-01-31
Last Service Date:	2032-01-31

More Interfaces

Power supply/signaling contact:	1 x plug-in terminal block, 3-pin

Network size - length of cable

Twisted pair (TP):	0-100 m

Network size - cascadibility

Line - / star topology:	any

Power requirements

Operating Voltage:	18 V DC ... 32 V DC
Power Consumption:	3.9 W
Power output in BTU (IT)/h:	13.3

Software

Switching:	TOS/DSCP Prioritization, QoS (4 queues), Static unicast/multicast filter entries (up to 100), Flow Control (802.3X), VLAN Support
Redundancy:	RSTP (IEEE 802.1D-2004), MRP Client
Management:	HTML5 Web-Interface, TFTP config file/firmware transfer, SNMP V1/V2/V3
Diagnostics:	Device status indication (LEDs), Log-File, RMON (1) statistics, Simple interface statistics, Topology Discovery according to IEEE 802.1AB, (LLDP), Syslog
Configuration:	BOOTP/DHCP, HiDiscovery
Security:	SNMPv3 (authNoPriv), Possibility to disable each port, SSH, SSL
Time synchronisation:	SNTP Client
Industrial Profiles:	PROFINET Protocol
Presettings:	PROFINET

Ambient conditions

Air Pressure (Operation):	min. 700 hPa (+9842 ft; +3000 m)

Operating temperature:	-40-+60 °C
Minimum Storage Temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

Mechanical construction

Dimensions (WxHxD):	45,4 x 110 x 82 mm (w/o terminal block)
Weight:	223 g
Mount Type:	DIN Rail
IP Protection Rating:	IP30

Mechanical stability

IEC 60068-2-6 vibration:	3.5 mm, 5–8.4 Hz, 10 cycles, 1 octave/min; 1 g, 8.4–150 Hz, 10 cycles, 1 octave/min
IEC 60068-2-27 shock:	15 g, 11 ms duration

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

Safety of industrial control equipment:	cUL 61010-1

Reliability

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

Scope of delivery and accessories

Accessories to Order Separately:	Rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC (CC), Mounting Accessories
Scope of delivery:	Device, 3-pin terminal block for the supply voltage and the grounding, Safety and general information sheet

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Certificates:	https://www.doc.hirschmann.com/certificates.html
Software Download:	https://my.belden.com/s/downloads

History

Update and Revision:	Revision Number: 0.140 Revision Date: 03-03-2026

Variants

Item #	Type
942291301	GECKO 8TX-PN

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