HIRSCHMANN
A BELDEN BRAND



Product: GECKO 4TX

4x FE TX, 12-24 V DC, 0-60°C, Lite Managed

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 4TX
Description:	Lite Managed Industrial ETHERNET Rail-Switch, Ethernet/Fast-Ethernet Switch, Store and Forward Switching Mode, fanless design.
Part Number:	942104003
Port type and quantity:	4 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity

More Interfaces

Power supply/signaling contact:	1 x plug-in terminal block, 3-pin, no signaling contact

Network size - length of cable

Twisted pair (TP):	0-100 m

Network size - cascadibility

Line - / star topology:	any

Power requirements

Current consumption at 24 V DC:	120 mA
Operating Voltage:	9.6 V - 32 V DC
Power consumption:	2.35 W
Power output in BTU (IT)/h:	8.0

Software

Switching:	TOS/DSCP prioritization (Mapping TOS/DSCP to 802.1D/p), Prioritization through 4 queues, Static unicast/multicast filter entries (up to 100), VLAN Support
Redundancy:	RSTP (IEEE 802.1D-2004)
Management:	Web-interface, HTTP(s) 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)
Configuration:	DHCP Relay with Option 82, HiDiscovery, BOOTP/DHCP
Security:	SNMPv3 (authNoPriv), Possibility to disable each port

Ambient conditions

MTBF (MIL-HDBK 217F: Gb 25 °C):	56.6 Years
Air Pressure (Operation):	min. 795 hPa (+6562 ft; +2000 m)
Operating temperature:	0-+60 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

Mechanical construction

Dimensions (WxHxD):	25 mm x 114 mm x 79 mm

Weight:	103 g
Mounting:	DIN Rail
Protection class:	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 (80-3000 MHz)
EN 61000-4-4 fast transients (burst):	2 kV power line, 4 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 for 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://hirschmann-support.belden.com/en-US/downloads/gecko

History

Update and Revision:	Revision Number: 0.41 Revision Date: 06-04-2024

Variants

Item #	Type
942104003	GECKO 4TX

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