

21700140	DATA SHEET	
Valid from: 27.10.2020	ETHERLINE® ACCESS PNF(P*)T	

Description

- PROFINET IO-Switch, managed
- Fast and easy configuration and diagnose via PROFINET or web interface, Ports: RJ45
- Configuration with command line (Telnet, SSH) possible
- Diverse management and maintenance policies available (e.g. MRP-Client, LLDP, DCP, SNMP, alarm diagnosis, port-mirroring, network statistics (frames, failure))
- PROFINET Conformance Class B



General characteristics

Interfaces	RJ45 Port: each 100 Mbit/s
Switch properties	medium redundancy (MRP), automatic address/topology recognition (LLDP, DCP)
Temperature range	ambient temp.: -40°C bis +75°C (-40°F bis 167°F) (PNF04T & PNF08T) ambient temp.: 0°C to +60°C (32°F to 140°F) (PNF16T) transport - and storage temp.: -40°C to +85°C (-40°F to 185°F)
relative humidity	95 % (non-condensing)
Pollution degree	2
Protocol	PROFINET IO acc. IEC 61158-6-10
MTBF (mean time between failures)	133.239 Std @ MIL-HDBK-217 (PNF04T) 114.668 Std @ MIL-HDBK-217 (PNF08T) 84.446 Std @ MIL-HDBK-217 (PNF16T)

Variation

Article	Description	Ports (P*) [amount]
21700140	ETHERLINE ACCESS PNF04T	04
21700142	ETHERLINE ACCESS PNF08T	08
21700143	ETHERLINE ACCESS PNF16T	16

Power requirements

Connection	1 removable 5-pole terminal block
Power Input	24-48 V DC (18-60V DC)
Power Consumption (max.)	11 W
Input current (max.)	0.62 A
Overload voltage protection	support
Reverse polarity protection	support

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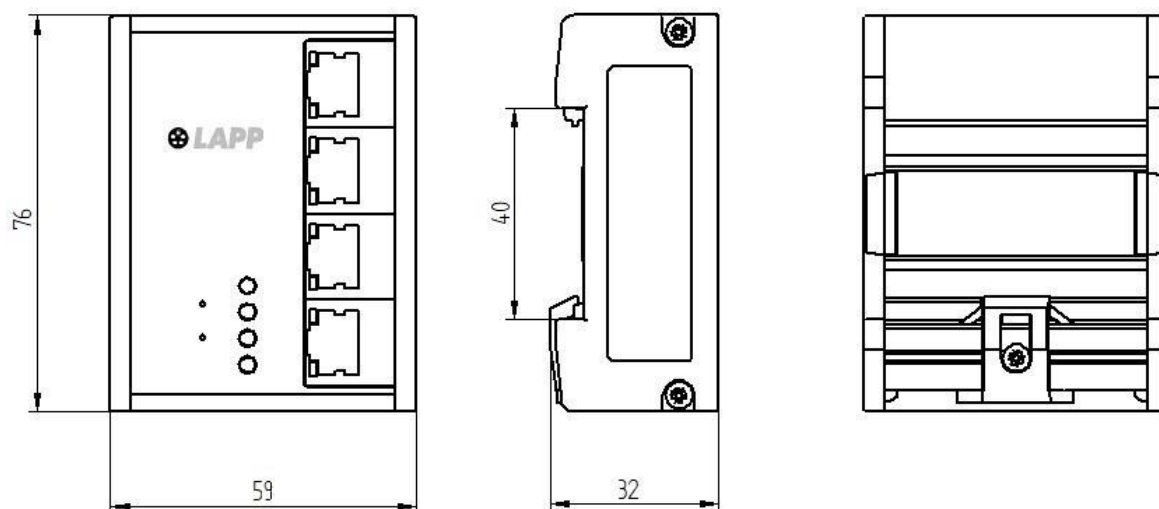
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Physical properties

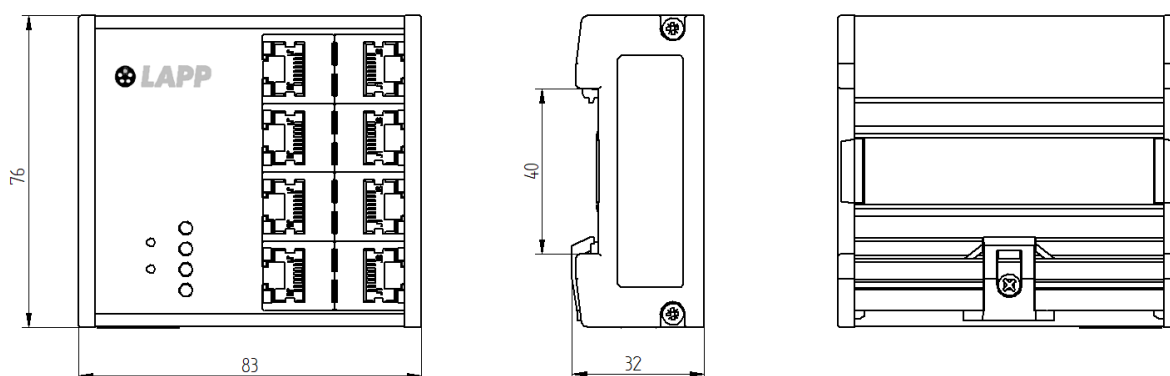
IP class	IP20
Weight	0.13 kg (PNF04T) 0.18 kg (PNF08T) 0.31 kg (PNF16T)
Installation	DIN-rail mounting

Technical drawing

Dimensional drawing (NF04-T)

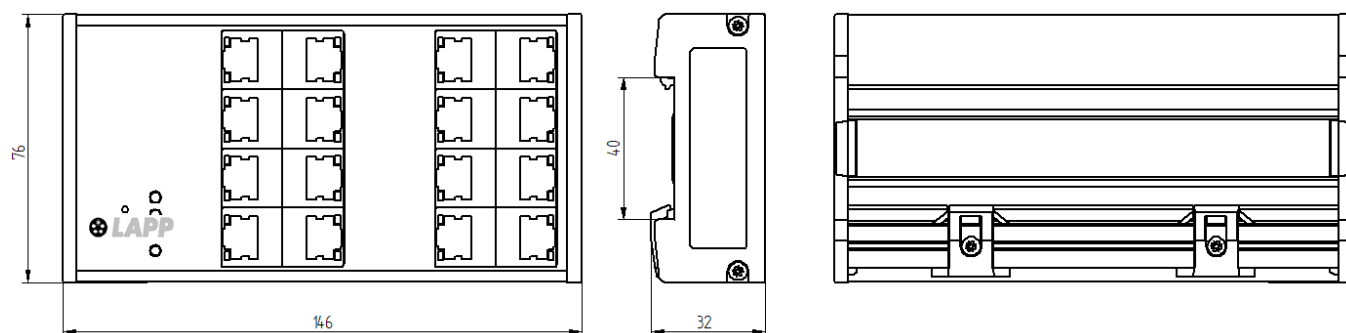


Dimensional drawing (NF08-T)



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Maßzeichnung (NF16-T)



Standards and approvals

EMC

DIN EN 61000-6-2

PROFINET

DIN EN 61000-6-4

Approvals

Conformance Class B

Netload Class I

CE

UL (E331560)

Application range

Automation, industrial machinery and plant engineering

Note

Photographs are not to scale and do not represent detailed images of the respective products.

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