TSF000

LOW PROFILE POE+ SWITCH



Retail

Smart city

Energy & utilities

Industrial & automation

POWER & CONNECT WITH POE+

Deliver power and data for up to 4 devices with 120W power budget

LOW-PROFILE INDUSTRIAL FIT

Flat housing with DIN rail mount for effortless installation

5 X ETHERNET

Front access Ethernet with extremely compact form factor

FLEXIBLE POWER INPUT

7 – 57 VDC for compatibility with diverse industrial systems

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Ethernet	
Ethernet	5 x ETH ports, 10/100 Mbps, supports auto MDI/MDIX crossover
IEEE 802.3 series standards	802.3i, 802.3u, 802.3x, 802.3az, 802.3p 802.3Q

INDUSTRIAL PROTOCOLS	
Profinet	Profinet Class A conformance (available with optional order code)

POE OUT	
PoE ports	Port 1- 4
PoE standards	IEEE 802.3af (PoE, Type 1) and IEEE 802.3at (PoE+, Type 2), Alternative A
PoE Max Power per Port (at PSE)	30 W
Total PoE Power Budget (at PSE)	120 W

Performance Specifications	
Bandwidth (Non-blocking)	10 Gbps
Packer buffer	128 KB
MAC address table size	2K entries
Jumbo frame support	9216 bytes

Power	
Connector	3-pin industrial DC power socket
Input voltage range	7 – 57 VDC, overvoltage protection: 60 Vmax, reverse polarity protection: 80 Vmax, surge protection: min 64.4V/max 71.2V breakdown voltage, 93.6V maximum reverse voltage @4.3A maximum reverse surge current
PoE-Out input voltage range	44 - 57 VDC
Power consumption	Idle: 1 W / Max: 1.5 W / PoE Max: 121 W

Physical Interfaces	
Ethernet	5 x RJ45 ports, 10/100 Mbps
Status LEDs	1 x Power LED, 10 x ETH status LEDs
Power	1 x 3-pin industrial DC power socket
Grounding	Grounding terminal on power connector

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Physical Specification	
Casing material	Anodized aluminum housing and panels
Dimensions (W x H x D)	113 x 28 x 50 mm
Weight	142 g
Mounting options	Integrated DIN rail bracket

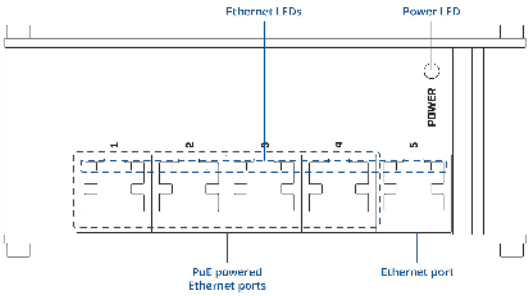
Operating Environment	
Operating temperature	-40 °C to 75 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP30

Regulatory & Type Approvals	
Regulatory	CE, UKCA, RCM, CB, FCC, IC, WEEE

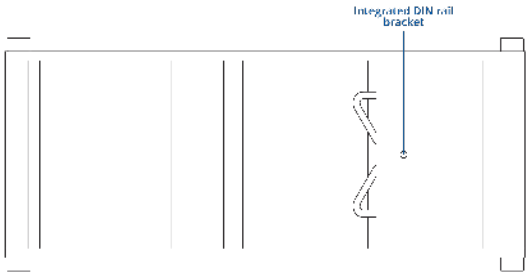
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Hardware

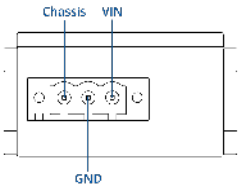
FRONT VIEW



BACK VIEW



POWER CONNECTOR



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Ordering

Standard package*



3-PIN POWER CONNECTOR



TSF000



QUICK START GUIDE

*Standard package contents may differ based on standard order codes.

For more information on all available packaging options – please contact us directly.

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Classification codes

HS Code: 851762

HTS: 8517.62.00

Available versions

TSF000 *****	N/A	TSF000000000 / Standard package without PSU
TSF000 *****1 **Profinet Class A conformance**	N/A	TSF000000001 / Standard package without PSU

TSF000 spatial measurements

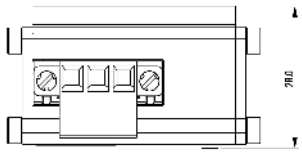
Available versions

Box (W x H x D):	113 x 28 x 50 mm
Device housing (W x H x D)*	140 x 32 x 55 mm
	*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to the sections below

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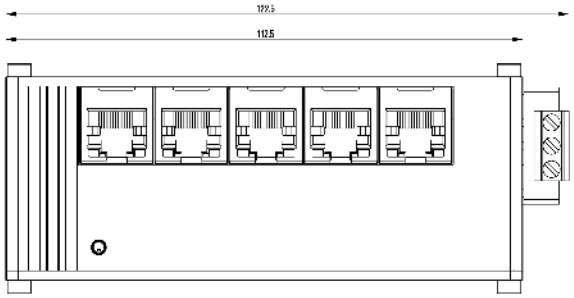
TOP VIEW

The figure below depicts the measurements of device and its components as seen from the top:



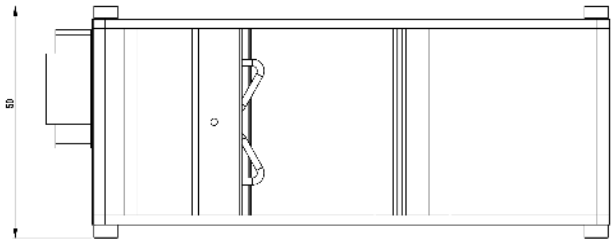
FRONT VIEW

The figure below depicts the measurements of device and its components as seen from the front panel side:



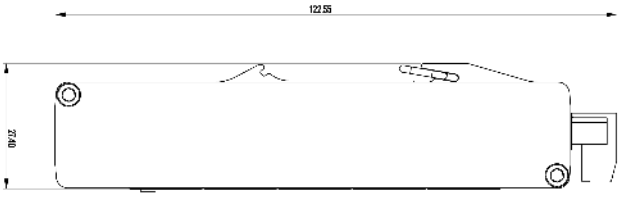
REAR VIEW

The figure below depicts the measurements of device and its components as seen from the back panel side:



LEFT VIEW

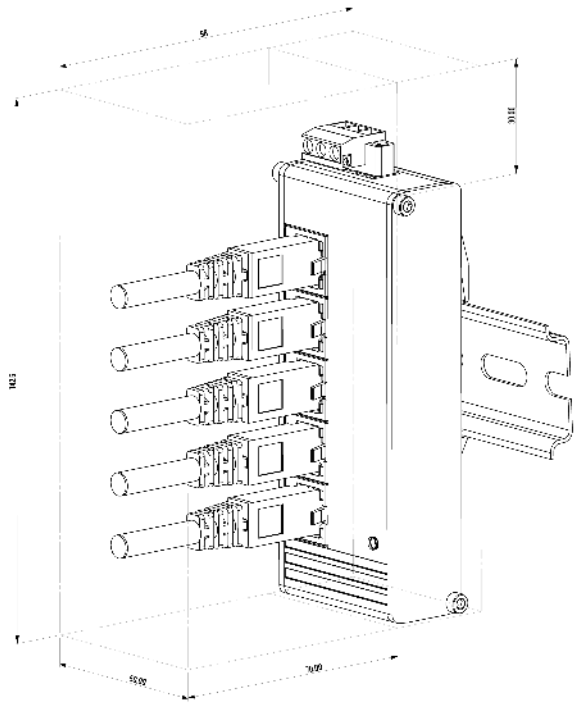
The figure below depicts the measurements of device and its components as seen from the left:



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MOUNTING SPACE REQUIREMENTS

The figure below depicts an approximation of the device's dimensions when cables and antennas are attached:



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