



TSF010

FLAT ETHERNET SWITCH



Energy &
utilities



Enterprise



Industrial &
automation



Retail



Smart city

3-PIN POWER INPUT

Flexible and tailor-made for industrial use

FLAT & COMPACT

Flat and compact design weighing only 142 g

INTEGRATED DIN RAIL BRACKET

Easy mounting for plug-and-play deployment

9-57 VDC

Suitable voltage range for industrial applications

Ethernet

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

INDUSTRIAL PROTOCOLS

Profinet	Profinet Class A conformance (available with optional order code)
----------	---

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	9 – 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
Input voltage range*	12-40 VAC (50/60Hz)
	*Feature availability varies by order code
Power consumption	Idle: 1 W / Max: 1.5 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

Physical Specification

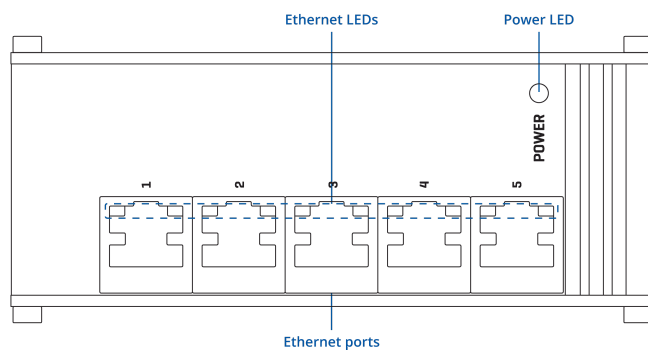
Casing material	Anodised aluminium housing and panels
Dimensions (W x H x D)	113 x 28 x 50 mm
Weight	142 g
Mounting options	Integrated DIN rail bracket

Operating Environment

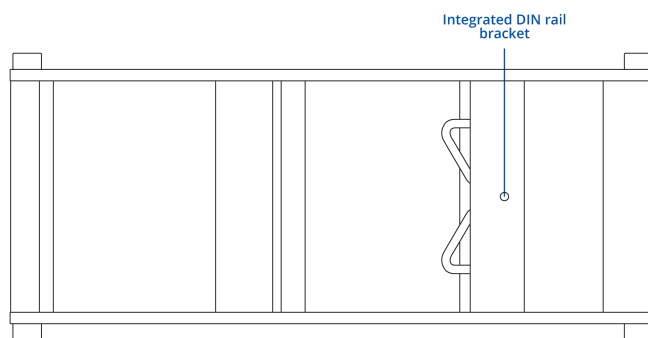
Operating temperature	-40 °C to 75 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP30

Hardware

FRONT VIEW



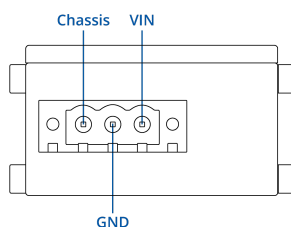
BACK VIEW



RJ45 LED MEANING



POWER SOCKET PINOUT



Ordering

Standard package*



TSF010



QUICK START GUIDE



3-PIN POWER
CONNECTOR

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

For more information on all available packaging options – please [contact us](#) directly.

Classification codes

HS Code: 851762

HTS: 8517.62.00

For more information on all available packaging options – please [contact us](#) directly.

Available versions

Hardware version	Supported frequencies	Standard order code / Package Contains
TSF010 *****0 Input voltage range: 9 – 57 VDC	N/A	TSF010000000 / Standard package without PSU
TSF010 *****1 Profinet Class A conformance Input voltage range: 9 – 57 VDC	N/A	TSF010000001 / Standard package without PSU
TSF010 *1****0 Input voltage range: 12-40 VAC (50/60Hz)	N/A	TSF010010000 / Standard package without PSU
TSF010 *1****1 Profinet Class A conformance Input voltage range: 12-40 VAC (50/60Hz)	N/A	TSF010010001 / Standard package without PSU

Certification

Physical specification

EMEA	TSF010 CE TSF010 UKCA TSF010 RoHS TSF010 REACH TSF010 ANRT
APAC	TSF010 RCM
AMERICAS	TSF010 FCC TSF010 IC(ISED)
MISCELLANEOUS	TSF010 CB Scheme

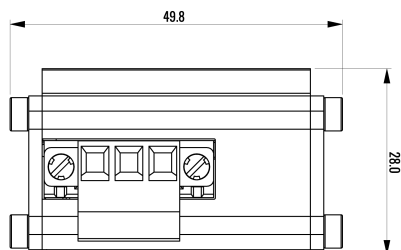
TSF010 spatial measurements

Available versions

Device housing (W x H x D)	113 x 28 x 50 mm
Box (W x H x D):	140 x 32 x 56 mm

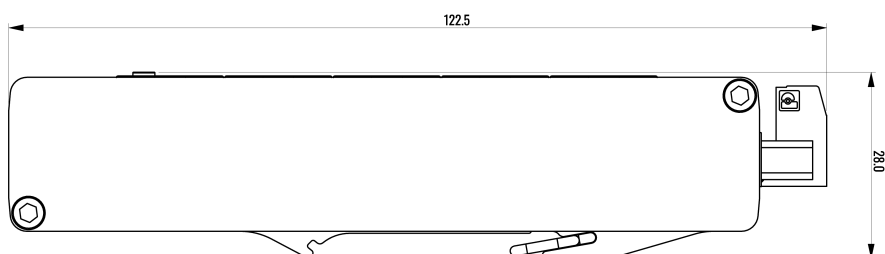
TOP VIEW

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



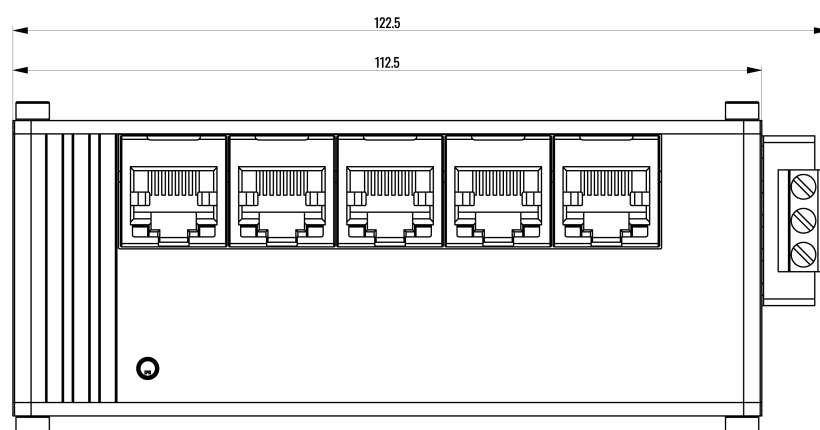
RIGHT VIEW

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



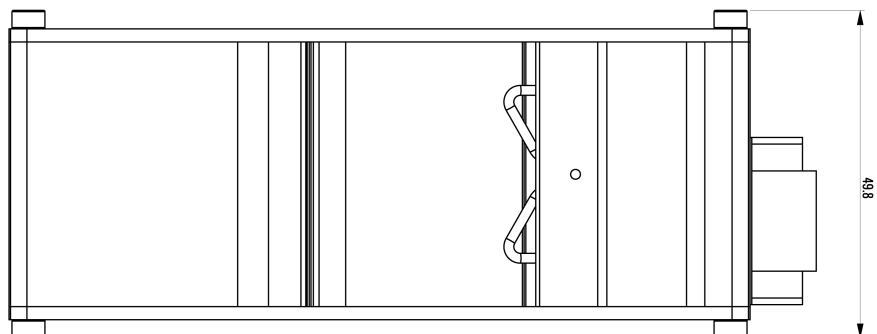
FRONT VIEW

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:



MOUNTING SPACE REQUIREMENTS

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

