

PNP-16-MOD-TCP

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Plug&Play Boxes

With the ready-to-connect Plug&Play boxes, existing machines can be easily integrated into the IoT network, without costly intervention in the control cabinet structures.

The boxes thus serve as data collectors and are at the same time the basis for the evaluation and transparent display of your energy consumption.

All you need is a network connection near the Plug&Play boxes.

General ordering data

Order No.	2716650000
Type	PNP-16-MOD-TCP
GTIN (EAN)	4064675002536
Qty.	1 items
Delivery status	Discontinued
Available until	2025-04-08T00:00:00+02:00

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Depth	225 mm	Depth (inches)	8.8582 inch
Height	340 mm	Height (inches)	13.3858 inch
Width	530 mm	Width (inches)	20.8661 inch
Net weight	999 g		

Temperatures

Storage temperature	-10 °C...60 °C	Humidity at storage temperature	35...85 % rel. humidity, no condensation
Ambient temperature	0 °C...45 °C	Operating temperature	
Humidity	35...85 % RH (at ambient temperature)		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6aI, 6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1, 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1, Lead monoxide 1317-36-8
SCIP	b8594349-3937-4fc3-b3f9-0b9575c3ba7d

Measuring current input

Rated current	16 A
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Communication

Interface	Ethernet 10/100 Base-TX (RJ-45 socket), Web server/e-mail	Protocol	TCP/IP, DHCP Client (BootP), Modbus/TCP (Port 502), ICMP (Ping), NTP, Modbus RTU over Ethernet (Port 8000), FTP, SNMP
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Inputs/outputs

Compressed-air connection available	Yes	Type of compressed-air connection	Quick coupling for hoses with 10 mm
Digital output configurable	Yes	Number of digital inputs	0
Temperature input	Yes		

Technical data

Applications	Power and flow measurement	Type of mounting	Wall mounting; Connection side lying, DIN rail
Protection degree	IP54, IP20	Pollution severity	4
Rated current	16 A	Airflow rate, min.	20 l/min
Nominal input air pressure	8 bar	Airflow rate, max.	2000 l/min
Air pressure (operation)	≥ 795 hPa (height ≤ 2000 m) as per DIN EN 61131-2	Usage	Plug & Play
Display monitoring (monitor)	LCD	Standards	IEC 61439-2

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Measurement range, voltage L-L, AC	480 V	Surge voltage category	II
Supply voltage	via the input measuring circuit	Sampling frequency 50/60 Hz	40 kHz

Insulation coordination

Surge voltage category	II	Pollution severity	4
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Important note

Product information

Flow measurement
 The PNP-16-MOD-TCP and PNP-32-MOD-TCP products are provided with an integrated flow sensor.
 The incoming air is guided through the measuring device to the machine or plant.

Temperature measurement
 The ambient temperature is recorded with an external temperature sensor.
 The signal line of the sensor is connected to the measuring device via an SAI connection.

Power consumption measurement
 The PNP-16-MOD-TCP, PNP-32-MOD-TCP and PNP-63-MOD-TCP products are provided with integrated current transformers.
 The power line is guided via the CEE connections through the measuring device to the machine or plant.

Communication
 The measured values are transferred from the measuring device to the network via a data line.
 The measured values can be displayed in real time on a connected PC.

Classifications

ETIM 8.0	EC002301	ETIM 9.0	EC002301
ETIM 10.0	EC002301	ECLASS 14.0	27-14-23-30
ECLASS 15.0	27-14-23-30		

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Drawings

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