



PS300

65CX00002



The TW PS300 is a power supply unit for connecting sensors from the TW Master series. The device has an interface module with functions such as relay output and analog 4..20 mA signal output.

One sensor module from the TW Master series can be connected. Further modules are connected to the first module.

Advantages

- Relay output
- Analog 4..20 mA signal output
- Buzzer function

Applications

- Power supply
for TW Master series

Technical specifications

TW PS300

Application	Power supply for the TW Master System
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Interface

Digital	RS-485 (Modbus RTU)
Analog output	6x 4..20 mA
Load	Max. 500 Ohm
Connection terminals	1.5 mm ² (AWG 16)
Error indicator	0 mA

Relay	1x changeover contact 24 V, 1 A, potential-free	
Acoustic indicator	Buzzer	
Visual display	1x status LED	
LED Description	Illuminated blue	Switched on
	Illuminated blue and flashing white at the same time	Maintenance mode is activated
	Flashing red	Alarm & buzzer

Power supply	100 - 240 VAC, 50 - 60 Hz
Typical power consumption	6 W
Power consumption max.	50 W

Connection	Mains connection cable with safety plug
	1 x M20 cable gland
	3 x M16 cable gland
	1 x M12 industrial plug connector for TW Master System connection

Housing

Housing material	Housing: POM-C
	Front panel: Acrylic glass (PMMA)
Dimensions (L x H x D)	203 / 185 / 46 mm incl. screw connections (~ 7.99" / 7.28" / 1.81" incl. screw connections)
weight	1.4 kg (~3.09 lbs)

Operating conditions

Operating temperature	-10 to +50 °C (with pre-installed mains connection cable +5 °C to +50 °C)
Relative humidity	0 to 95 % rH (non-condensing)
Transportation conditions	Same as storage conditions

Storage conditions

Storage temperature	-20 to +70 °C
Relative humidity	0 to 95 % rH (non-condensing)

Protection class	IP64
Protection class	I
Overvoltage category	OVERVOLTAGE CATEGORY II
Pollution degree	2
Operating height	Max. Altitude 2000 m (6,561 ft)
Installation location	Indoor use only

System compatibility	TW Master series
Warranty period	1 year (EU & USA 2 years)