



**PLTS 010 10 G14**



## Features

- For measuring relative pressure of non-aggressive media
- 0-10 Vdc output (3-wire) and 4-20 mA output (2-wire)
- Pressure ranges
  - 0 to 1.6 Bar
  - 0 to 2.5 Bar
  - 0 to 4 Bar
  - 0 to 6 Bar
  - 0 to 10 Bar
  - 0 to 16 Bar
  - 0 to 25 Bar
  - 0 to 40 Bar
  - 0 to 60 Bar
- G1/4" connection thread and G1/2" connection thread
- Power supply
  - 12-30 Vac/dc for 0-10 Vdc output
  - 12-30 Vdc for 4-20 mA output.
- Protection class IP65
- Operating temperature 0 to 85 °C
- Material
  - Housing 1.4305
  - Sensor Al2O3
  - Seal Poetry Viton®
- Sensor
 

Type	relative
Measuring range	see ordering
Linearity	< 1% f.s.
Hysteresis	< 0.5% f.s.
- Applications
  - Building automation
  - Industry
  - Pneumatic
  - Hydraulic applications.

Ordering

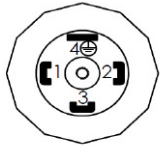
Type no.	Output	Pressure range	Connection thread
PLTS 010 1.6 G14	0-10 Vdc	0 to 1.6 Bar	G1/4"
PLTS 010 2.5 G14	0-10 Vdc	0 to 2.5 Bar	G1/4"
PLTS 010 4 G14	0-10 Vdc	0 to 4 Bar	G1/4"
PLTS 010 6 G14	0-10 Vdc	0 to 6 Bar	G1/4"
PLTS 010 10 G14	0-10 Vdc	0 to 10 Bar	G1/4"
PLTS 010 16 G14	0-10 Vdc	0 to 16 Bar	G1/4"
PLTS 010 25 G14	0-10 Vdc	0 to 25 Bar	G1/4"
PLTS 010 40 G14	0-10 Vdc	0 to 40 Bar	G1/4"
PLTS 010 60 G14	0-10 Vdc	0 to 60 Bar	G1/4"
PLTS 420 1.6 G14	4-20 mA	0 to 1.6 Bar	G1/4"
PLTS 420 2.5 G14	4-20 mA	0 to 2.5 Bar	G1/4"
PLTS 420 4 G14	4-20 mA	0 to 4 Bar	G1/4"
PLTS 420 6 G14	4-20 mA	0 to 6 Bar	G1/4"
PLTS 420 10 G14	4-20 mA	0 to 10 Bar	G1/4"
PLTS 420 16 G14	4-20 mA	0 to 16 Bar	G1/4"
PLTS 420 25 G14	4-20 mA	0 to 25 Bar	G1/4"
PLTS 420 40 G14	4-20 mA	0 to 40 Bar	G1/4"
PLTS 420 60 G14	4-20 mA	0 to 60 Bar	G1/4"

Ordering

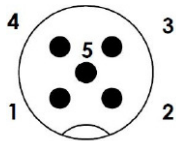
Type no.	Output	Pressure range	Connection thread
PLTS 010 1.6 G12	0-10 Vdc	0 to 1.6 Bar	G1/2"
PLTS 010 2.5 G12	0-10 Vdc	0 to 2.5 Bar	G1/2"
PLTS 010 4 G12	0-10 Vdc	0 to 4 Bar	G1/2"
PLTS 010 6 G12	0-10 Vdc	0 to 6 Bar	G1/2"
PLTS 010 10 G12	0-10 Vdc	0 to 10 Bar	G1/2"
PLTS 010 16 G12	0-10 Vdc	0 to 16 Bar	G1/2"
PLTS 010 25 G12	0-10 Vdc	0 to 25 Bar	G1/2"
PLTS 010 40 G12	0-10 Vdc	0 to 40 Bar	G1/2"
PLTS 010 60 G12	0-10 Vdc	0 to 60 Bar	G1/2"
PLTS 420 1.6 G12	4-20 mA	0 to 1.6 Bar	G1/2"
PLTS 420 2.5 G12	4-20 mA	0 to 2.5 Bar	G1/2"
PLTS 420 4 G12	4-20 mA	0 to 4 Bar	G1/2"
PLTS 420 6 G12	4-20 mA	0 to 6 Bar	G1/2"
PLTS 420 10 G12	4-20 mA	0 to 10 Bar	G1/2"
PLTS 420 16 G12	4-20 mA	0 to 16 Bar	G1/2"
PLTS 420 25 G12	4-20 mA	0 to 25 Bar	G1/2"
PLTS 420 40 G12	4-20 mA	0 to 40 Bar	G1/2"
PLTS 420 60 G12	4-20 mA	0 to 60 Bar	G1/2"

**Electrical Connection**

DIN EN 175301-803-A



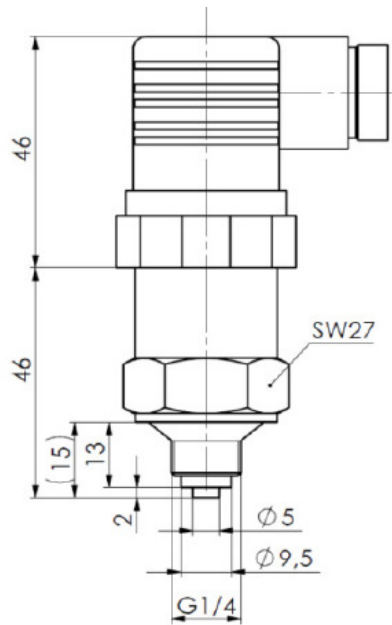
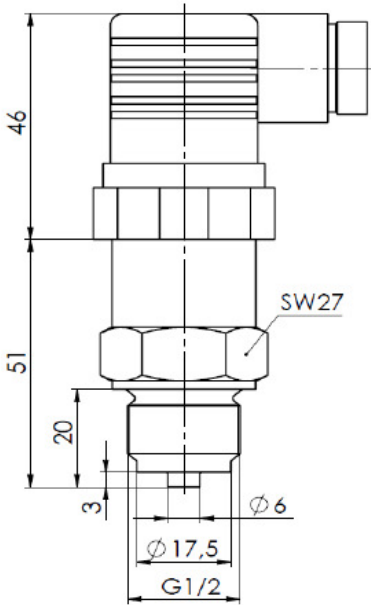
M12



4-20 mA		0-10 Vdc	
Pin	Assignment	Pin	Assignment
1	+Ub	1	+Ub
2	GND	2	GND
3	-	3	Uout
4	-	4	-

4-20 mA		0-10 Vdc	
Pin	Assignment	Pin	Assignment
1	+Ub	1	+Ub
2	GND	2	GND
3	-	3	Uout
4	-	4	-

**Dimensions**



Use the designed hexagon for screw-in the transducer into the medium.  
 Rotating the DIN-Connector may result in malfunction and damage the electronic.  
 Sensors should only be used in systems where no pressure peaks higher than the specified bursting pressure can occur.

The use on pumps and valves or the installation near pumps, valves or other quick closing fittings should also be avoided.

In order to dampen pressure peaks to a permissible level, we recommend water hammer dampers or a suitable TW-MAG, as in unfavorable circumstances, a pressure of more than 90 bar can occur for one hundredth of a second.

It is essential to check the resistance of the O-ring to the medium used. Failure to observe the compatibility of the O-ring may cause leaks and damage to the component, machinery and equipment.

All warranty claims shall expire if the customer, whether himself or through third parties, opens the pressure chamber.

We reserve the right to make changes in our products without any notice which may effect the accuracy of the information contained in this leaflet.