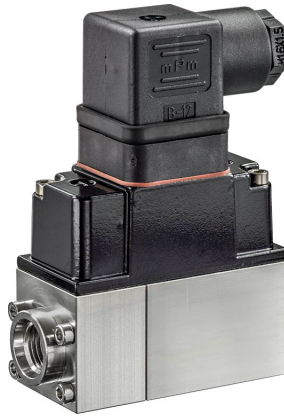


Differential Pressure Sensor Water

Active sensor (0...20 mA) for measuring the differential pressure in liquid or dry media.

Various pressure ranges, rugged NEMA 4 / IP65 and compact stainless steel housing.

Optional stainless steel or brass pipe connection adaptors also available.


Type Overview

Type	Measuring Range Pressure	Output Signal Active Pressure	Overpressure Limit	Overpressure Limit Note	Maximum System Pressure
22WDP-131	0...1 bar	4...20 mA	6 bar	Single-sided	21 bar
22WDP-132	0...2.5 bar	4...20 mA	6 bar	Single-sided	21 bar
22WDP-134	0...4 bar	4...20 mA	16 bar	Single-sided	21 bar
22WDP-135	0...6 bar	4...20 mA	16 bar	Single-sided	21 bar

Technical Data

Electrical data	Power Supply DC	15...24 V, $\pm 10\%$, 0.5 W
	Electrical connection	Plug for wire 0.5...1.5 mm ²
	Cable entry	Angle plug according to DIN 43650, construction A
Functional data	Output signal active note	Current output: max. 900 Ω load
	Mechanical connection	pressure connector: G1/4"
	Mounting	installation position unrestricted
	Media	Water
Measuring data	Measured values	Differential pressure
	Measuring media	Air and non-aggressive gases
	Accuracy pressure	$< \pm 1\%$ of measuring range (@ -5...75 °C)
Materials	Housing seal	EPDM
	Housing	Bottom Part: Stainless steel 1.4305 Top Cover: Aluminum pressure die casting
	Medium wetted parts	Stainless steel 1.4301, Ceramic
Safety data	Ambient temperature	-10...50 °C [15...120 °F]
	Medium temperature	-10...80 °C [15...175 °F]
	Protection class IEC/EN	III Protective extra-low voltage (PELV)
	Protection class UL	UL Class 2 Supply
	EU Conformity	CE Marking
	Degree of protection IEC/EN	IP65
	Degree of protection NEMA/UL	NEMA 4
	Quality Standard	ISO 9001
	Weight	0.55 lbs

Safety notes



The installation and assembly of electrical equipment should only be performed by authorized personnel.

This device has been designed for use in stationary heating, ventilation and air conditioning systems and must not be used outside the specified field of application. Unauthorised modifications are prohibited. The product must not be used in relation with any equipment that in case of a failure may threaten human, animals or assets.

Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

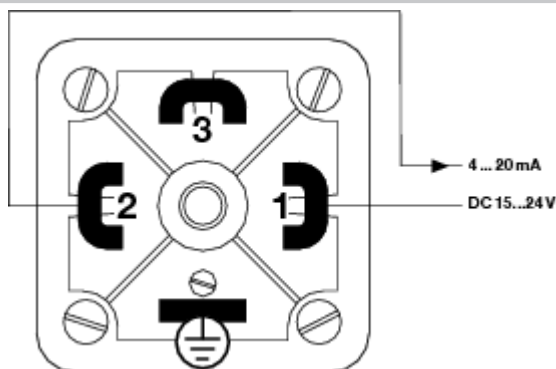
Please comply with

- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

Accessories

Optional Accessories	Description	Type
	Pipe connector brass, 2 pcs., Pipe 6 mm to G 1/4" (external thread)	A-22WP-A04
	Pipe connector stainless steel, 2 pcs., Pipe 6 mm to G 1/4" (external thread)	A-22WP-A06
	Pipe connector brass, 2 pcs., Pipe 8 mm to G 1/4" (external thread)	A-22WP-A08
	Pipe connector stainless steel, 2 pcs., Pipe 8 mm to G 1/4" (external thread)	A-22WP-A10

Wiring diagram



Dimensions

