

## DT243105

### Pressure sensors • Pressure transmitter

Pressure transmitter, Ø24mm, 57 long, 0-250bar, 9-30V DC, G1/4 "A, 4-20mA, M12 plug connector 4-pin, IP67, stainless steel V4A



#### compact design robust VA housing

Pressure sensors are suitable for measuring various media with high accuracy. They are available with switching output and/or analog output. By means of PC software the measured values can be recorded depending on the device type. These sensors are used in all areas, e.g. pneumatic and hydraulic applications.

#### Electrical features

Initial setting	0 - 250000 hPa
Response/decay time	3 ms
Type of analog output	4 - 20mA
Type of electrical connection	Connector M12
Short-circuit protection	Yes
Load resistance (current output)	0.5 kOhm
No-load current	25 mA
Measuring range pressure	0 - 250 bar
Measurement method	Relative
Number of pins	4
Relative linearity deviation	0.5 %
Relative repeat accuracy	0.2 %
Protection class	III
Temperature drift over entire measuring range	2.5 %
Reverse polarity protection	Yes
Operating voltage (DC)	9 - 30 V
ardSOCA_ElektrischerAnschluss	M12 4-pin plug connector
ardSOCA_Betriebsspannung	9-30VDC

**Mechanical features**

Type of process connection	G1/4 inch
Design	Cylinder plain
Bursting pressure	500 bar
Diameter	23.9 mm
Storage temperature	-30 - 85 °C
Length	56.3 mm
Max. operating pressure	375 bar
Medium temperature	-25 - 100 °C
Wrench size	22 mm
Degree of protection (IP)	IP67
Housing material	Stainless steel 1.4404
Seal material at process connection	Plastic (FKM)
Long-term drift per year	0.1 %
Ambient temperature	-25 - 80 °C
ardSOCA_Abmessungen	Ø23.9mm, 56.3mm long
ardTEME_WerkstoffDesProzessanschlusses	Stainless steel 1.4404
ardTEME_WerkstoffDerMesszelle	Ceramic

**Other features**

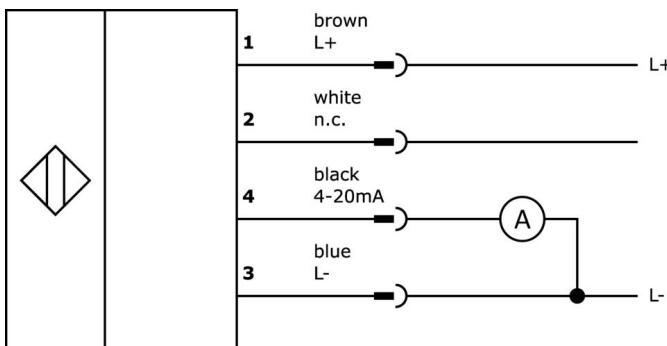
Suitable for	Fluid group 2
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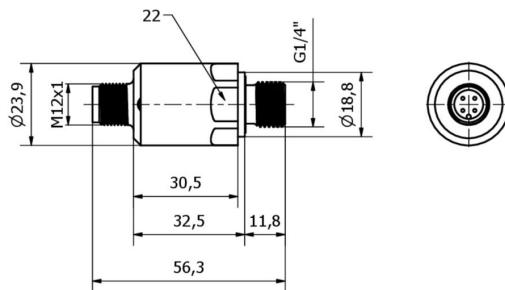
**Classification**

ETIM 8
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**More**

IPF Product Group	361 pressure sensors (diverse)
packaging dimensions	105 x 43 x 43 mm
gross weight	85 g
Customs tariff number	90262020
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes
MTTF value	2236 year(s)

**Connection**

**Dimensional drawing****Extract accessories program****VK205321**

Connection cable, 2m, M12  
Female (socket) 4pin Angular, Free  
conductor end, 4x0.34mm<sup>2</sup>, PUR  
(Polyurethane), Ø5.5mm, 250V, -  
25-90°C, IP67, Shielded, Suitable  
for trailing chain and torsion  
resistant, Oil and cooling  
lubricants, Welding area, Silicon...

**VK205325**

Connection cable, 2m, M12  
Female (socket) 4pin Straight, Free  
conductor end, 4x0.34mm<sup>2</sup>, PUR  
(Polyurethane), Ø5.5mm, 250V, -  
25-90°C, IP67, Shielded, Suitable  
for trailing chain and torsion  
resistant, Oil and cooling  
lubricants, Welding area, Silico...

**VK003020**

Cable socket, angular, self-  
assembly, screw connection, Ø3-6.  
5mm, 4A, 240V, -25-90°C, M12  
socket 4-pin, IP67, PBT

**VK003024**

Cable socket, Straight, Suitable for  
self-assembly, Screw connection,  
Ø3-6.5mm, 4A, 240V, -25-90°C,  
M12 Female (socket) 4pin, IP67,  
PBT

**AD000018**

Accessories pressure, adapter, G1/  
2 - G1/4, 25lang, V4A

**AD000017**

Accessories pressure, adapter, G1/  
4, 26lang, V4A

**AD000026**

Accessories Throttle screw,  
M5x6mm, stainless steel 1.4404

You can find further accessories on our homepage

**Installation**

Mounting / installation may only be carried  
out by a qualified electrician!

**Disposal**

WEEE number according to § 6 para. 3  
ElektroG: 40951076

**Safety warnings**

- !*** Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- !*** Never use these devices in applications where the safety of a person depends on their functionality.