

## DT98C744

### Pressure sensors • Pressure transmitter

pressure transmitter, Ø29mm 53long, 0-10bar, 8-30V DC, G1/2 inch B, 4-20mA, Plug-in connection M12 2pin, IP67, V4A



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

#### Electrical features

Response/decay time	4 ms
Type of analog output	4 - 20mA
Type of electrical connection	Connector M12
Short-circuit protection	Yes
Measuring range pressure	0 - 10 bar
Measurement method	Relative
Number of pins	2
Relative linearity deviation	0.5 %
Relative repeat accuracy	0.1 %
Temperature drift over entire measuring range	1 %
Operating voltage (DC)	8 - 30 V
ardSOCA_ElektrischerAnschluss	M12 2-pin plug connector
ardSOCA_Betriebsspannung	8-30VDC

**Mechanical features**

Type of process connection	G1/2 inch B
Design	Cylinder plain
Bursting pressure	40 bar
Diameter	29 mm
For liquid media	Yes
Thread length	14 mm
Thread pitch	1.81 mm
Length	53 mm
Max. operating pressure	20 bar
Medium temperature	0 - 80 °C
Nominal pressure	10 bar
Degree of protection (IP)	IP67
Housing material	Stainless steel 1.4404
Sensing element material	Stainless steel 1.4404
Ambient temperature	80 °C
ardSOCA_Abmessungen	Ø29mm, 53mm long
ardTEME_WerkstoffDesProzessanschlusses	Stainless steel 1.4404
ardTEME_WerkstoffDerMesszelle	Stainless steel 1.4404

**Other features**

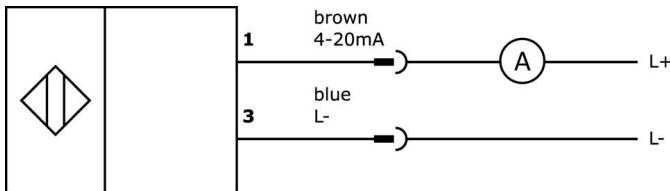
Suitable for	Gases
Measuring display	Relative
Relative measurement accuracy	0.3 %
ardTE00_Anwendungen	Hydraulik-Anwendungen Pneumatik-Anwendungen

**Classification**

ETIM 8	EC000243 Pressure switch
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**More**

IPF Product Group	361 pressure sensors (diverse)
packaging dimensions	105 x 43 x 43 mm
gross weight	130 g
Customs tariff number	90262020
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**

**Extract accessories program****VK200021**

Connection cable, 2m, M12  
Female (socket) 3pin Angular, Free  
conductor end, 3x0.34mm<sup>2</sup>, PUR  
(Polyurethane), Ø4.3mm, 250V, -  
30-90°C, IP67, Suitable for trailing  
chain and torsion resistant, Oil and  
cooling lubricants, Welding area,  
Silicone-free

**VK200025**

Connection cable, 2m, M12  
Female (socket) 3pin Straight, Free  
conductor end, 3x0.34mm<sup>2</sup>, PUR  
(Polyurethane), Ø4.3mm, 250V, -  
30-90°C, IP67, Suitable for trailing  
chain and torsion resistant, Oil and  
cooling lubricants, Welding area,  
Silicone-free

**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

**VK003021**

Cable socket, Angular, Suitable for  
self-assembly, Screw connection,  
Ø3.6-5mm, 4A, 60V, -25-90°C,  
M12 Female (socket) 5pin, IP67,  
PBT

**VK003025**

Cable socket, Straight, Suitable for  
self-assembly, Screw connection,  
Ø3.6-5mm, 4A, 60V, -25-90°C,  
M12 Female (socket) 5pin, IP67,  
PBT

**VK000037**

Adaption, M12 Female (socket)  
3pin Straight, M8 Male  
(connector) 3pin Straight, 24V, -  
25-85°C, IP67, Oil and cooling  
lubricants, Welding area

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**

**I** Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

**I** Never use these devices in applications where the safety of a person depends on their functionality.