



- Pressure transmitter for OEM applications
- Designed for use in heavy duty industrial environments
- 4 to 20 mA (2-wire) or 0.5 to 4.0 V_{DC} output
- Temperature compensated
- High vibration stability
- Waterproof, plastic and stainless steel compact body
- Electrical connection with M12x1 or DT04 connector
- Process connection G 1/4 A (DIN 3852-E)

On request:

- With 5 and 10 meters electrical extension

Typical fields of application: mounted cranes, mobile cranes, aerial platforms, industrial automation and generic mobile machines.

Note: the user/installer is responsible for evaluating the values and, thus, the safety of the application







Technical data

Output signal	4 to 20 mA	10 to 80% ratiometric
Power supply (V _{IN})	10 to 36 V _{DC}	5V ± 0.5 V _{DC}
Accuracy, hysteresis and repeatability	< ±0.5 (BFS), < ±1 %FS	
Operating temperature	from -40 to +125 °C	
Compensated temperature range	0 to +80 °C	
Thermal zero point shift	≤ ± 0.15 %FS/10K ⁽¹⁾	
Thermal sensitivity (span) shift	≤ ± 0.15 %FS/10K ⁽¹⁾	
Standard protection grade	IP67	
Maximum weight	70 g	
Construction material: wetted parts case	Stainless steel highly resistive, fiberglass-enforced plastic (PBT)	
Max driving torque	30 Nm	
CE conformity	EMC Directive: 2014/30/EU PED Directive: 97/23/EC	
EMC: Immunity Emission	EN 61326-1 EN 61326-2-3	
Vibration resistance: Sinus	EN 60068-2-6: 20 g	
Shock resistance: Shock	EN 60068-2-27: 500 g	
MTTFd (electronic board)	≥ 100 years	
Maximum number of mechanical cycles	8x10 ⁶	

⁽¹⁾ Inside compensated temperature range

Ordering Code

	TP	V	S	K1	250	G1A	M4P	N	NOT
	Type	Electrical output	Channels	Series	Pressure Range	Process connection	Output connection	Reserved	Custom configurations
Electrical output	A		Current output: 4 to 20 mA (2 wire)						
	V		Voltage output: 0.5÷4.0 V _{DC} (ratiometric, 3 wire)						
Channels	S		Single channel						
Series	K	1	K1 Series						
Pressure range	2	5	0	0 ... 250 bar					
	4	0	0	0 ... 400 bar					
Process connection	G	1	A	G ¼ A (DIN 3852-E)					
Output connection	c	a	b	Electrical wiring harness code (see "Electrical connections")					
Reserved	N								
Custom configurations	N	O	T	Standard					
Custom configurations are available on request.									
<div><div>Electrical output</div><div><div>Current output</div><div>M12 plug</div><div>Code: M6F</div><div>1: +V_{IN}</div><div>2: Not used</div><div>3: -V_{IN} (Output)</div><div>4: Not used</div></div><div><div>Voltage output</div><div>M12 plug</div><div>Code: M4P</div><div>1: V_{IN}=4.5 to 5.5 V_{DC}</div><div>2: Output</div><div>3: 0 V_{DC}</div><div>4: Not used</div></div></div>									

Electrical connections

Current output

M12 plug

Code: M6F

- 1: +V_{IN}
- 2: Not used
- 3: -V_{IN} (Output)
- 4: Not used

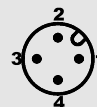


Voltage output

M12 plug

Code: M4P

- 1: V_{IN}=4.5 to 5.5 V_{DC}
- 2: Output
- 3: 0 V_{DC}
- 4: Not used

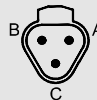


Current output

DT04-3P

Code: D6F

- A: +V_{IN}
- B: -V_{IN} (output)
- C: Not used

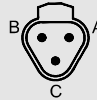


Current output

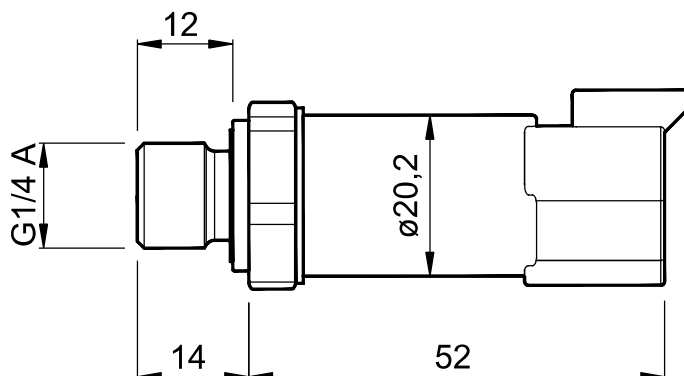
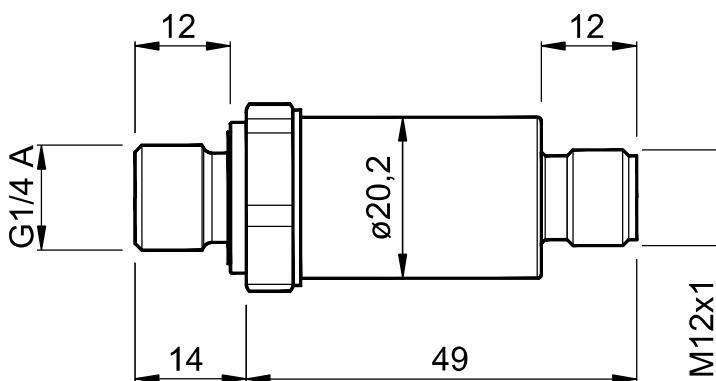
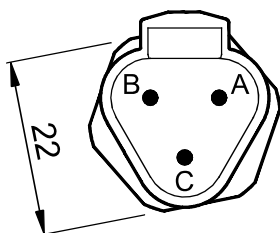
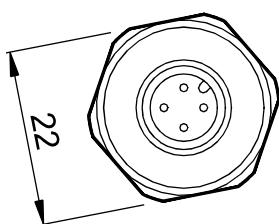
DT04-3P

Code: D4P

- A: V_{IN}=4.5 to 5.5 V_{DC}
- B: 0 V_{DC}
- C: Output



Dimensions [mm]



Accessories

Type	Description	Code	Notes
Counterpart Connector	M12 receptacle connector: loose connector with 4pin, screw terminals.	7.003.045	
Extension cable	Length 5000mm, multipolar cable for dynamic installations, 3 conductors (brown, blue, yellow/green) sections 0.5mm ² , external black jacket with excellent resistance to abrasive action, ordinary industrial oils and chemical agents. M12 4pin receptacle connector.	7.180.347	
Extension cable	Length 10000mm, multipolar cable for dynamic installations, 3 conductors (brown, blue, yellow/green) sections 0.5mm ² , external black jacket with excellent resistance to abrasive action, ordinary industrial oils and chemical agents. M12 4pin receptacle connector.	7.180.342	
Extension cable	Length 15000mm, multipolar cable for dynamic installations, 3 conductors (brown, blue, yellow/green) sections 0.5mm ² , external black jacket with excellent resistance to abrasive action, ordinary industrial oils and chemical agents. M12 4pin receptacle connector.	7.180.393	
Counterpart Connector	Deutsch DT06-3S plug connector with 3 female terminals (code 0462-201-16141) and wedge-lock (code W3S).	7.003.043	
Extension cable	Length 5000mm, multipolar cable for dynamic installations, 3 conductors (brown, blue, yellow/green) sections 0.5mm ² , external black jacket with excellent resistance to abrasive action, ordinary industrial oils and chemical agents. DEUTSCH DT06-3S plug connector with 3 female terminals.	7.180.430	
Extension cable	Length 10000mm, multipolar cable for dynamic installations, 3 conductors (brown, blue, yellow/green) sections 0.5mm ² , external black jacket with excellent resistance to abrasive action, ordinary industrial oils and chemical agents. DEUTSCH DT06-3S plug connector with 3 female terminals.	7.180.466	
Extension cable	Length 15000mm, multipolar cable for dynamic installations, 3 conductors (brown, blue, yellow/green) sections 0.5mm ² , external black jacket with excellent resistance to abrasive action, ordinary industrial oils and chemical agents. DEUTSCH DT06-3S plug connector with 3 female terminals.	7.180.458	