



PS016D-501T-LI2UPN8X-H1141 Differential Pressure Sensor – With current output and PNP/ NPN Transistor Switching Output Output 2 Programmable as Switching Output



Features

- Pressure monitoring in harsh industrial environments
- Housing is rotatable after plugging the process connection
- Reading of adjusted values without tool
- High-side switch
- Recessed pushbutton, keylock and password for secure programming
- Permanent indication of pressure (bar, psi, kPa, MPa, misc)
- Peak pressure memory
- Pressure range 0...16 bar diff.

Wiring diagram

Technical data

Туре	PS016D-501T-LI2UPN8X-H1141
ID	6834065
Pressure type	Differential Pressure
Pressure range	016 bar
	0232.06 psi
	01.6 MPa
Admissible overpressure	≤ 80 bar
Burst pressure	≥ 80 bar
Response time	< 3 ms
Power supply	
Operating voltage U _B	1830 VDC
Current consumption	≤ 50 mA
Voltage drop at I _e	≤ 2.5 V
Protective measure	SELV; PELV according to EN 50178
Short-circuit/reverse polarity protection	yes / yes
Protection class	IP67 IP69K
Insulation class	111
Outputs	
Output 1	Switching output or IO-Link mode
Output 2	Analog or switching output
Switching output	
Communication protocol	IO-Link
Output function	NO/NC, PNP/NPN



Functional principle

The PSD differential pressure sensors have two pressure connections with ceramic measuring cells to detect different pressures, from which the difference is formed. As a result of the pressure acting on the measuring cells, a signal that is proportional to the pressure is generated and electronically processed internally. Depending on the sensor variant, either switching or analog signals are available. All PSD variants have IO-Link. The PSD sensors operate in various positive pressure ranges up to a differential of 250 bar. The connection with higher pressure can be configured via the menu (High-Site-Switch).





Technical data

Rated operational current0.2 ASwitching frequency≤ 180 HzSwitching point distance≥ 0.5 %Switch point:(Min. + 0.005 × range)100 % of full scaleRelease point(s)min. up to (SP - 0.005 x range)Switching cycles≥ 100 mil.Analog output420 mALoad≤ 0.5 kΩAccuracy LHR± 1 % FS BSLIncluded in the SIDI GSDMLYesTemperature behaviour40485 °CMedium temperature-40485 °CTemperature coefficient zero point TK.± 0.3 % of full scale/10 KEnvironmental conditions-40480 °CAmbient temperature-40480 °CVibration resistance20 g (g)2000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 HFR cadiated: 15 V/m EN 61000-4-3 HFR cadiated: 15 V/m EN 61000-4-4 Surge: 1 KV, 42 Ohm EN 61000-4-5 Surge: 1 KV, 42 Ohm EN 61000-4-4 Surge: 1 KV, 42 Ohm EN 61000-4-5 Surge: 1 KV, 42 Ohm EN 61000-4-4 Surge: 1 KV, 42 Ohm EN 61000-4-5 Surge: 1 KV, 42 Ohm EN 6100-4-5 Surge: 1 KV, 42 Ohm EN 6100-4	Accuracy	± 1 % FS BSL
Switching point distance≥ 0.5 %Switch point:(Min. + 0.005 × range)100 % of full scaleRelease point(s)min. up to (SP - 0.005 x range)Switching cycles≥ 100 mil.Analog output420 mALoad≤ 0.5 kΩAccuracy LHR± 1 % FS BSLIncluded in the SIDI GSDMLYesTemperature behaviour± 0.3 % of full scale/10 KMedium temperature-40+85 °CTemperature coefficient zero point TK,± 0.3 % of full scale/10 KEnvironmental conditions± 0.1.*80 °CAmbient temperature-40+80 °CStorage temperature-40+80 °CVibration resistance50 g (11 ms) acc. to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 B µrst 2 kVHousing materialStainless-steel/Plastic, 1.4305 (AISI 303)Pressure connection materialStainless steel 1.4305 (AISI 303)Material pressure transducerCeramic ALosSealing materialFPM spez.Process connection 1 cou- pling nut21/ 30Electrical connection 1 cou- pling nut21/ 30Electrical connection 1 cou- pling nut35 NmReference conditions acc. to IEC 61298-1Se01060 hPa abs.Humidity4575 % rel.	Rated operational current	0.2 A
Switch point:(Min. + 0.005 × range)100 % of full scaleRelease point(s)min. up to (SP - 0.005 × range)Switching cycles≥ 100 mil.Analog output420 mALoad≤ 0.5 kΩAccuracy LHR± 1 % FS BSLIncluded in the SIDI GSDMLYesTemperature behaviour-40+85 °CMedium temperature-40+85 °CTemperature coefficient zero point TK,± 0.3 % of full scale/10 KEnvironmental conditions-40+80 °CStorage temperature-40+80 °CStorage temperature-40+80 °CVibration resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-5 Burgaited: 15 V/m EN 61000-4-5 Burgaite	Switching frequency	≤ 180 Hz
scaleRelease point(s)min. up to (SP - 0.005 x range)Switching cycles \geq 100 mil.Analog output420 mACurrent output 420 mALoad \leq 0.5 kQAccuracy LHR \pm 1 % FS BSLIncluded in the SIDI GSDMLYesTemperature behaviour-40+85 °CMedium temperature-40+85 °CTemperature coefficient zero point TK, \pm 0.3 % of full scale/10 KEnvironmental conditions-40+80 °CStorage temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV, 42 Ohm EN 61000-4-4 Burst: 2 kV EN 61000-4-5 HF Cable-bound: 10 VMechanical dataStainless steel 1.4305 (AISI 303)Pressure connection materialStainless steel 1.4305 (AISI 303)Pressure connection materialFPM spez.Process connection materialStainless steel 1.4305 (AISI 303)Material pressure transducerCornector, M12 × 1Ving nut35 NmElectrical connection / cou- pling nut35 NmReference conditions acc. to IEC 61298-1StoraTemperature15+25 °CAtmospher	Switching point distance	≥ 0.5 %
Switching cycles≥ 100 mil.Analog output420 mACurrent output420 mALoad≤ 0.5 kΩAccuracy LHR± 1 % FS BSLIncluded in the SIDI GSDMLYesTemperature behaviour-40+85 °CMedium temperature-40+85 °CTemperature coefficient zero point TK,± 0.3 % of full scale/10 KTemperature coefficient range TK,± 0.3 % of full scale/10 KEnvironmental conditions-40+80 °CAmbient temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiateci. 15 V/m EN 61000-4-3 HF Radiateci. 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF Cable-bound: 10 VMechanical data	Switch point:	
Analog outputCurrent output420 mALoad≤ 0.5 kΩAccuracy LHR± 1 % FS BSLIncluded in the SIDI GSDMLYesTemperature behaviour-40+85 °CMedium temperature coefficient zero point TK,± 0.3 % of full scale/10 KTemperature coefficient range TK,± 0.3 % of full scale/10 KEnvironmental conditions-40+80 °CAmbient temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Ratlet: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF Cable-bound: 10 VMechanical data	Release point(s)	min. up to (SP - 0.005 x range)
Current output420 mALoad≤ 0.5 kΩAccuracy LHR± 1 % FS BSLIncluded in the SIDI GSDMLYesTemperature behaviour-40+85 °CMedium temperature-40+85 °CTemperature coefficient zero point TK,± 0.3 % of full scale/10 KEnvironmental conditions-40+80 °CStorage temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 HF Cable-bound: 10 VMechanical data	Switching cycles	≥ 100 mil.
Load $\leq 0.5 \text{ kD}$ Accuracy LHR $\pm 1 \% \text{ FS BSL}$ Included in the SIDI GSDMLYesTemperature behaviour-40+85 °CMedium temperature $-40+85 °C$ Temperature coefficient zero point TK, $\pm 0.3 \%$ of full scale/10 KTemperature coefficient range TK, $\pm 0.3 \%$ of full scale/10 KEnvironmental conditions-40+80 °CAmbient temperature $-40+80 °C$ Storage temperature $-40+80 °C$ Vibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-3 Surge: 1 kV, 42 Ohm EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-5 HF Cable-bound: 10 VMechanical data	Analog output	
Accuracy LHR± 1 % FS BSLIncluded in the SIDI GSDMLYesTemperature behaviour-40+85 °CMedium temperature-40+85 °CTemperature coefficient zero point TK,± 0.3 % of full scale/10 KTemperature coefficient range TK,± 0.3 % of full scale/10 KEnvironmental conditions-40+80 °CAmbient temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-6 HF Cable-bound: 10 VMechanical data	Current output	420 mA
Included in the SIDI GSDMLYesTemperature behaviour-40+85 °CMedium temperature coefficient zero point TK,± 0.3 % of full scale/10 KTemperature coefficient range TK,± 0.3 % of full scale/10 KEnvironmental conditions-40+80 °CAmbient temperature-40+80 °CStorage temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-6 HF Cable-bound: 10 VMechanical data	Load	≤ 0.5 kΩ
Temperature behaviourMedium temperature-40+85 °CTemperature coefficient zero point TK,± 0.3 % of full scale/10 KTemperature coefficient range TK,± 0.3 % of full scale/10 KEnvironmental conditions-40+80 °CAmbient temperature-40+80 °CStorage temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-6 Surge: 1 kV, 42 Ohm EN 61000-4-6 Surge: 1 kV, 42 Ohm EN 61000-4-6 HF Cable-bound: 10 VMechanical data	Accuracy LHR	± 1 % FS BSL
Medium temperature-40+85 °CTemperature coefficient zero point TK,± 0.3 % of full scale/10 KTemperature coefficient range TK,± 0.3 % of full scale/10 KEnvironmental conditions-40+80 °CAmbient temperature-40+80 °CStorage temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-4 Burst: 2 kVEMVEN 61000-4-4 Burst: 2 kVEMVEN 61000-4-4 Burst: 2 kVMechanical data	Included in the SIDI GSDML	Yes
Temperature coefficient zero point TK, Temperature coefficient range TK,± 0.3 % of full scale/10 KEnvironmental conditions± 0.3 % of full scale/10 KAmbient temperature-40+80 °CStorage temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 Burst: 2 kV EN 61000-4-3 Burst: 2 kV EN 61000-4-4 Burst: 15 V/m EN 61000-4-4 Burst: 12 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-5 Burge: 1 kV, 42 Ohm EN 61000-4-6 HF Cable-bound: 10 VMechanical data	Temperature behaviour	
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Environmental conditionsAmbient temperature-40+80 °CStorage temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kVHousing materialStainless-steel/Plastic, 1.4305 (AISI 303)Pressure connection materialStainless-steel/Plastic, 1.4305 (AISI 303)Material pressure transducerCeramic AlaOaSealing materialFPM spez.Process connectionG 1/4" female threadWrench size pressure connection / cou- pling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-1501060 hPa abs.Humidity4575 % rel.	Temperature coefficient zero point TK ₀	± 0.3 % of full scale/10 K
Ambient temperature-40+80 °CStorage temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-6 HF Cable-bound: 10 VMechanical dataVHousing materialStainless-steel/Plastic, 1.4305 (AISI 303)Pressure connection materialStainless steel 1.4305 (AISI 303)Material pressure transducerCeramic Al₂O3Sealing materialFPM spez.Process connection / cou- pling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-1Sealing natesialTemperature15+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Temperature coefficient range TK _s	± 0.3 % of full scale/10 K
Storage temperature-40+80 °CVibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-6 HF Cable-bound: 10 VMechanical dataHousing materialHousing materialStainless-steel/Plastic, 1.4305 (AISI 303)Pressure connection materialStainless steel 1.4305 (AISI 303)Material pressure transducerCeramic Al ₂ O ₃ Sealing materialFPM spez.Process connectionG 1/4" female threadWrench size pressure connection / coupling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-15° CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Environmental conditions	
Vibration resistance20 g (92000 Hz), according to IEC 60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF Cable-bound: 10 VMechanical data	Ambient temperature	-40+80 °C
60068-2-6Shock resistance50 g (11 ms) acc. to IEC 60068-2-27EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF Cable-bound: 10 VMechanical dataHousing materialHousing materialStainless-steel/Plastic, 1.4305 (AISI 303)Pressure connection materialStainless steel 1.4305 (AISI 303)Material pressure transducerCeramic Al₂O₃Sealing materialFPM spez.Process connectionG 1/4" female threadWrench size pressure connection / coupling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Storage temperature	-40+80 °C
EMVEN 61000-4-2 ESD: 4 kV CD/8 kV AD EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-6 HF Cable-bound: 10 VMechanical dataStainless-steel/Plastic, 1.4305 (AISI 303)Pressure connection materialStainless steel 1.4305 (AISI 303)Pressure connection materialCeramic Al₂O₃Sealing materialFPM spez.Process connectionG 1/4" female threadWrench size pressure connection / coupling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Vibration resistance	• • • •
EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm EN 61000-4-6 HF Cable-bound: 10 VMechanical dataHousing materialStainless-steel/Plastic, 1.4305 (AISI 303)Pressure connection materialStainless steel 1.4305 (AISI 303)Material pressure transducerCeramic Al2O3Sealing materialFPM spez.Process connectionG 1/4" female threadWrench size pressure connection / coup pling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Shock resistance	50 g (11 ms) acc. to IEC 60068-2-27
Housing materialStainless-steel/Plastic, 1.4305 (AISI 303)Pressure connection materialStainless steel 1.4305 (AISI 303)Material pressure transducerCeramic Al₂O₃Sealing materialFPM spez.Process connectionG 1/4" female threadWrench size pressure connection / coupling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	EMV	EN 61000-4-3 HF Radiated: 15 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 1 kV, 42 Ohm
Pressure connection materialStainless steel 1.4305 (AISI 303)Material pressure transducerCeramic Al2O3Sealing materialFPM spez.Process connectionG 1/4" female threadWrench size pressure connection / coupling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Mechanical data	
Material pressure transducerCeramic Al₂O₃Sealing materialFPM spez.Process connectionG 1/4" female threadWrench size pressure connection / coupling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Housing material	Stainless-steel/Plastic, 1.4305 (AISI 303)
Sealing materialFPM spez.Process connectionG 1/4" female threadWrench size pressure connection / coupling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Pressure connection material	Stainless steel 1.4305 (AISI 303)
Process connectionG 1/4" female threadWrench size pressure connection / coupling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Material pressure transducer	Ceramic Al₂O₃
Wrench size pressure connection / coupling nut21/ 30Electrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Sealing material	FPM spez.
pling nutElectrical connectionConnector, M12 × 1Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-15 NmTemperature15+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.	Process connection	G 1/4" female thread
Max. tightening torque of housing nut35 NmReference conditions acc. to IEC 61298-115+25 °CTemperature15+25 °CAtmospheric pressure8601060 hPa abs.Humidity4575 % rel.		21/30
Reference conditions acc. to IEC 61298-1 Temperature Atmospheric pressure 8601060 hPa abs. Humidity 4575 % rel.	Electrical connection	Connector, M12 × 1
61298-1 Temperature 15+25 °C Atmospheric pressure 8601060 hPa abs. Humidity 4575 % rel.	Max. tightening torque of housing nut	35 Nm
Atmospheric pressure8601060 hPa abs.Humidity4575 % rel.		
Humidity 4575 % rel.	Temperature	15+25 °C
	Atmospheric pressure	8601060 hPa abs.
Auxiliary power 24 VDC	Humidity	4575 % rel.
	Auxiliary power	24 VDC



OBSOLETE

Technical data

Display	4-digit 7-segment display, rotatable by 180°, with switch-off function
Switching state	2 × LEDs, Yellow
Unit display	5 x LEDs green (bar, psi, kPa, MPa, misc)
Programming options	start/end value analog output; switch/re- lease points; PNP/NPN; NO/NC contact; hysteresis/window function; damping; pressure unit; peak pressure memory
Tests/approvals	
MTTF	439 years