

XMEP060BT71F

Electronic pressure sensors, Pressure sensors XM, transmitter, XMEP, 60 bar, G1/4 A male, 0...10 V, Deutsch, set of 1



Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMEP
Electrical circuit type	Control circuit
Pressure rating	60 bar
Local display	Without
Controlled fluid	Fresh water (0...125 °C) Air (-30...125 °C) Hydraulic oil (-30...125 °C)
Fluid connection type	G 1/4A (male) conforming to DIN 3852-E
Electrical connection	DEUTSCH connector DT04-3P 3 pins
[Us] rated supply voltage	24 V DC SELV (voltage limits: 12...36 V)
Current consumption	< 7 mA
Type of output signal	Analogue
Analogue output function	0...10 V, 3-wire
Quantity per set	Set of 1
Type of packing	Individual

Complementary

Pressure setting range	0...60 bar
Maximum permissible accidental pressure	150 bar
Destruction pressure	300 bar
Materials in contact with fluid	Fluorocarbon FPM Stainless steel AISI 316L
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrostatic discharge immunity test conforming to ISO 10605 criteria A 15 kV air, 15 kV contact Susceptibility to electromagnetic fields conforming to ISO 11452-2 criteria A 100 V/m 200...2000 MHz Susceptibility to electromagnetic fields conforming to ISO 11452-4 criteria A 100 mA 20...400 MHz Susceptibility to conducted disturbances conforming to EN/IEC 61000-4-6 criteria A 30 V 0.15...80 MHz Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 criteria A 4 kV Susceptibility to conducted transient disturbances conforming to ISO 7637-2 criteria B level 3
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms 10...90 % of full scale
Measurement accuracy	+/- 0.5 % of the measuring range
Resolution	0.1 % of the measuring range
Drift of the sensitivity	+/- 0.02 % of measuring range/°K
Drift of the zero point	+/- 0.02 % of measuring range/°K
Long term stability	+/- 0.5 % of the measuring range

Mechanical durability	10000000 cycles
Net weight	0.098 kg
Diameter	26 mm
Length	65.5 mm

Environment

Standards	EN/IEC 61326-2-3 ISO 14982 EN 13309 UL 61010-1 ECE 10R-5 ISO 13766
Product certifications	E2 CE cULus
Ambient air temperature for operation	-40...100 °C
Ambient air temperature for storage	-50...100 °C
Vibration resistance	12 gn sinus (f = 20...520 Hz) test 4 conforming to ISO 16750-3 18 gn random (f = 10...2000 Hz) test 4 conforming to ISO 16750-3
Shock resistance	50 gn for 11 ms conforming to EN/IEC 60068-2-27
IP degree of protection	IP65 conforming to EN/IEC 60529 IP67 conforming to EN/IEC 60529 IP69K conforming to EN/IEC 60529

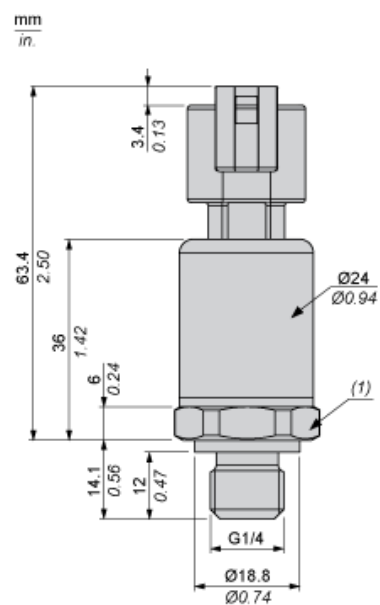
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	98.0 g
Package 1 Height	4.1 cm
Package 1 width	4.5 cm
Package 1 Length	8.5 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

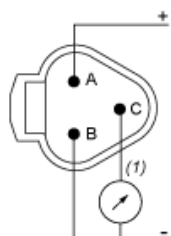
Dimensions



(1) SW24, tightening torque □ 24 N-m / 212 lb-in

Connections and Schema

Connector Wiring



(1) V out

Performance Curves

Curves

