

XMLF400D2029

pressure sensor 400 bar - SAE 7/16-20 UNF - 24 V - NO or NC - 4..20 mA

Price** : 447.00 USD



⚠ Discontinued

XMLF400D2029 has not been replaced. Please contact your customer care center for more information.

Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure switch type of operation	Regulation between 2 thresholds
Pressure sensor name	XMLF
Wiring technique	4-wire
Pressure sensor size	5801.51 psi (400 bar)
Fluid connection type	SAE 7/16-20UNF (female)
Controlled fluid	Air 5...176 °F (-15...80 °C) Corrosive fluid 5...176 °F (-15...80 °C) Hydraulic oil 5...176 °F (-15...80 °C) Fresh water 32...176 °F (0...80 °C)
Type of output signal	Analogue + discrete
Analogue output function	4...20 mA
Discrete output type	Solid state PNP or NPN programmable, 1 NO or 1 NC programmable
Electrical connection	Male connector M12, 4 pins
Product specific application	-
Adjustable range of switching point on rising pressure	464.12...5801.51 psi (32...400 bar)
Adjustable range of switching point on falling pressure	290.08...5627.46 psi (20...388 bar)
Destruction pressure	26106.79 psi (1800 bar)
Type of installation	Control circuit
Scale type	Adjustable differential scale
Maximum switching current	200 mA
[Us] rated supply voltage	24 V DC 17...33 V
Materials in contact with fluid	FPM (Viton) Stainless steel type AISI 303

Complementary

Setting	External setting
Possible differential minimum at low setting	174.05 psi (12 bar)

Possible differential minimum at high setting	174.05 psi (12 bar)
Possible differential maximum at high setting	5511.43 psi (380 bar)
Maximum permissible accidental pressure	17404.53 psi (1200 bar)
Local display	With
Protection type	Short-circuit protection Overload protection Connection faults Reverse polarity
Current consumption	80 mA
Operating rate in Hz	50 Hz
Drift of the sensitivity	+/- 0.03 % of measuring range/°C
Drift of the zero point	+/- 0.1 % of measuring range/°C
Time delay range	0...50 s in steps of 1 second
Response time on output	5...500 ms, in steps of 1 ms
Mechanical durability	10000000 cycles
Display response time type	Slow Fast Normal
Height	4.45 in (113 mm)
Depth	2.28 in (58 mm)
Width	1.81 in (46 mm)
Net weight	1.30 lb(US) (0.59 kg)
Surge withstand	0.5 kV DC
Measurement accuracy	<= 0.6 % of the measuring range
Repeat accuracy	0.5 %

Environment

Operating position	Any position
Standards	EN/IEC 61000-4-2 EN/IEC 61000-4-8 EN/IEC 61000-4-5 EN/IEC 61000-6-2 CE EN 50081 EN/IEC 60947-5-1 EN/IEC 60947-1 EN 50082 EN/IEC 61000-4-6 EN/IEC 61000-4-3 EN/IEC 61000-4-11 EN/IEC 61000-4-4
Product certifications	UL CSA
Ambient air temperature for operation	-13...176 °F (-25...80 °C)
Vibration resistance	35 gn 60...2000 Hz)EN/IEC 60068-2-6 5 gn 25...200 Hz)EN/IEC 60068-2-6
Protective treatment	TC
Shock resistance	50 gn EN/IEC 60068-2-27
Resistance to fast transients	2 kV EN/IEC 61000-4-4
IP degree of protection	IP67 EN/IEC 60529
NEMA degree of protection	NEMA 6 NEMA 13 NEMA 4 NEMA 12
Resistance to electrostatic discharge	4 kV on contact EN/IEC 61000-4-2 8 kV in air EN/IEC 61000-4-2
Resistance to electromagnetic fields	9.14 V/m (10 V/m) EN/IEC 61000-4-3

Resistance to conducted disturbances	10 V EN/IEC 61000-4-6
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Ordering and shipping details

Category	21551-XMLE,XMLF,XMLG PRESSURE SENSORS
Discount Schedule	DS2
GTIN	00785901280439
Package weight(Lbs)	1.49 lb(US) (0.674 kg)
Returnability	No
Country of origin	CH

Contractual warranty

Warranty	18 months
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