

ZMLPA1P2SH

Electronic pressure sensors, Pressure sensors XM, Display & switch ZMLP, 24 VDC, 4...20 mA, PNP, hysteresis, M12



Main

Range of Product	OsiSense XM
Product or Component Type	Electronic pressure sensors
Device short name	ZMLP

Complementary

Display Range	-14.5...6000
[Us] rated supply voltage	24 V DC SELV 17...33 V)
Current consumption	<= 50 mA
Electrical connection	Female connector M12, 2 pins Male connector M12, 4 pins
Type of output signal	Analogue + discrete
Analogue output function	4...20 mA
Discrete output type	Solid state PNP, NO/NC programmable
Switching function	Hysteresis
Maximum switching current	200 mA
Maximum voltage drop	2 V
Adjustable range of switching point on rising pressure	5...98 % of selected display range
Adjustable range of switching point on falling pressure	2...95 % of selected display range
Minimum differential travel	3 % of selected display range
Marking	CE
Front material	Polyester
Housing material	PBT Valox
Operating position	Any position
Protection Type	Reverse polarity Overload protection Short-circuit protection Overvoltage protection
Response time on output	<= 3 ms analog output <= 3 ms discrete output
Display Type	4 digits 7 segments
Local signalling	For light ON when switch is actuated 1 LED (yellow)
Response Time	300 ms
Maximum delay first up	100 ms
Accuracy	<= - 0.1 % of the measuring range
Measurement accuracy	<= 1 % of the measuring range
Display Accuracy	<= 1 % of the measuring range
Mechanical durability	10000000 cycles

Depth	1.7 in (42 mm)
Height	3.03 in (77 mm)
Width	1.6 in (41 mm)
Net Weight	0.227 lb(US) (0.103 kg)
[Uimp] rated impulse withstand voltage	0.5 kV DC

Environment

Product Certifications	cULus
Standards	IEC 61000-6-4 UL 508 IEC 61000-6-2
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-22...176 °F (-30...80 °C)
IP degree of protection	IP67 conforming to IEC 60529 IP65 conforming to IEC 60529 IP69K conforming to DIN 40050
Vibration resistance	5 gn 10...2000 Hz)IEC 60068-2-6
Shock resistance	25 gn IEC 60068-2-27
Electromagnetic compatibility	Immunity to conducted RF disturbances 10 V 0.15...80 MHz IEC 61000-4-6 Surge immunity test 1 kV IEC 61000-4-5 Electrical fast transient/burst immunity test 2 kV IEC 61000-4-4 Susceptibility to electromagnetic fields 10 V/m 80...2000 MHz IEC 61000-4-3 Electrostatic discharge immunity test 8 kV air, 4 kV contact IEC 61000-4-2


Ordering and shipping details

Category	US10DS222661
Discount Schedule	0DS2
GTIN	3389119617925
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.65 in (4.200 cm)
Package 1 Width	1.81 in (4.600 cm)
Package 1 Length	3.31 in (8.400 cm)
Package 1 Weight	3.739 oz (106.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Height	5.91 in (15 cm)
Package 2 Width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	5.964 lb(US) (2.705 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
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 Di-isodecyl 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
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 Yes