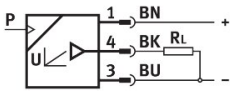
Pressure transmitter
SPTW-P16R-G14-VD-M12

Part number: 8000114





Data sheet

Feature	Value
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Note on materials	RoHS compliant
Measured variable	Relative pressure
Method of measurement	Metal thin-film pressure sensor
Pressure measuring range initial value	0 MPa 0 bar 0 psi
Pressure measuring range end value	1.6 MPa 16 bar 232 psi
Max. overload pressure	32 bar
Overload pressure	3.2 MPa 32 bar 464 psi
Operating medium	Compressed air as per ISO 8573-1:2010 [-:-:-] Liquid media Gaseous media
Temperature of medium	0 °C...80 °C
Ambient temperature	0 °C...80 °C
Accuracy in ± % FS	1 %FS
Repetition accuracy in ± %FS	0.1 %FS
Analog output	0.1 - 10 V
Linearity error in ± % FS	0.5 %FS
Short-circuit protection	Yes
DC operating voltage range	14 V...30 V
Reverse polarity protection	For operating voltage
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	4
Electrical connection 1, type of mounting	Screw-type lock

Feature	Value
	not rotatable Compatible with rotatable screw-type lock
Material of plug housing	PA
Type of mounting	With internal thread With accessories
Mounting position	Any
Pneumatic connection	G1/4
Product weight	80 g
Housing material	PA VMQ (silicone) high-alloy stainless steel
Materials in contact with the media	high-alloy stainless steel
Degree of protection	IP67
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III