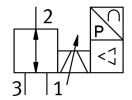
## Proportional pressure regulator VPPI-5L-3-G18-0L10H-V1-S1BT Part number: 8153297

**FESTO** 





## General operating condition

## **Data sheet**

Feature	Value
Nominal width pressurization	5 mm
Exhaust nominal width	5 mm
Actuation type	Electrical
Sealing principle	Soft
Total leakage	5 l/h
Flow direction	Non-reversible
Mounting position	Any
Structural design	Poppet valve with return spring
Short-circuit protection	For all electrical connections
Max. cable length	30 m
Setpoint input	0 - 10 V PWM
Input resistance	100 kOhm
Safety instructions	Safety position VPPI, normally closed
Symbol	00997299
Reverse polarity protection	for all electrical connections
Reset method	Mechanical spring
Dimensions W x L x H	42.2 mm x 95.3 mm x 94.3 mm
Type of control	Direct
Valve function	3-way proportional pressure control valve
Display type	LED
Operating pressure	10 bar 12 bar
Pressure regulation range MPa	0 MPa 1 MPa
Pressure regulation range	0 bar 10 bar
Inlet pressure 1	0 bar 13 bar
Inlet pressure 1 MPa	0 MPa 1.3 MPa
Burst pressure	40 bar
Standard nominal flow rate	1400 l/min
Standard nominal flow rate 2-3	750 l/min
DC operating voltage range	21.6 V 27.6 V
Nominal current	0.15 A
Max. current consumption	525 mA
Max. electrical power consumption	14.5 W
Nominal operating voltage DC	24 V

Climatic category  Relative air humidity  O - 85 % Non-condensing  Nominal altitude of use above sea level  Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level  52.5 dB(A)  Sound power level at a distance of 1 m  Froduct weight  365 g  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.4 %FS  Coverall accuracy  1.1 %FS  Temperature coefficient  O - 85 % Non-condensing  A 3000 m NHN  Froduct is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  0.5 dB(A)  51.9 dB(A)  51.9 dB(A)  51.9 dF(S)  62.5 dB(A)  52.5 dB(A)  53.6 g  63.6 g  64.7 S  65.7 S  60.4 %FS  60.4 %FS  60.2 %/K	Feature	Value
Precision analog output in +%FS   1 %FS   Compressed air as per ISO 8573-1:2010 [7:4:4] Interface medium Interface Information on operating and pilot media   Operation with oil lubrication not possible   Certification   CC	Analog output signal range	0 - 10 V
Operating medium    Compressed air as per ISO 8573-1:2010 [7:44-4]     Information on operating and pilot media   Operation with oil lubrication not possible	Min. load resistance of voltage output	2 kOhm
Inert gas Information on operating and pilot media Operation with oil lubrication not possible FCC MIC CUL us - Listed (OL) FCC MIC CUL us - Listed (OL) As per EU RM directive According to EU radio equipment directive (RED) As per EU RM directive According to EU radio equipment directive (RED) As per EU RM directive According to EU radio equipment directive (RED) As per EU RM directive According to EU radio equipment directive (RED) As per EU RM directive According to EU radio equipment directive (RED) As per EU RM directive IURCA marking (see declaration of conformity) UL 822346 To UK RANIS instructions Certificate issuing authority UL 822346 Ultration resistance FIN 60068-2-26 FIN 60068-2-27 FIN 60068-2-26 FIN 6006	Precision analog output in ± %FS	1 %FS
Certification  ECE ANC CULUS—Listed (OL) CULUS—Listed (OL) CULUS—Listed (OL) CULUS—Listed (OL) CULUS—Listed (OL) As per EU EMO directive According to EU and to equipment directive (REED) As per EU EMOS directive Certificate issuing authority ULE 322346 Transport application test with severity level 2 as per FN 942017-4 and EM 60068-2-27 Cornosion resistance Shock test with severity level 2 as per FN 942017-5 and EM 60068-2-27 Cornosion resistance class (CRC) 2. Moderate cornosion stress VDMA23364 B1/82 L Cleanroom class Class 4 according to ISD 14644-1 Cleanroom class Class 4 according to ISD 14644-1 For use in the food industry See supplementary material information Temperature of medium OP C 50 PC Contamination level 2. Commonity OP C 50 PC Storage temperature OP C 50 PC Sto	Operating medium	
MIC CLU us - Listed (IOL)  CE marking (see declaration of conformity)  As per EU EM: directive According to EU Land on equipment directive (RED) As per EU EM: directive (RED) As per EU Roll Stirective  UKCA marking (see declaration of conformity)  UKCA marking (see declaration of conformity)  UL 5322346  UKCA marking (see declaration of stress the service of the conformity of the c	Information on operating and pilot media	Operation with oil lubrication not possible
According to EU ratio equipment directive (RED) As per EU ROIS directive UKCA marking (see declaration of conformity) To UK instructions for EMC To LK ROHS instructions Certificate issuing authority ULE32236 Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2. Moderate corrosion stress VDMA236-8-818/2-L Cleanroom class Class (Associated associated associa	Certification	MIC
To UK RoHS instructions  Certificate issuing authority UL 332346 Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance Shock resistance class (CRC) 2 - Moderate corrosion stress UABS (PWIS) conformity VDMA24364-B1/B2-L Clearnoom class Class 4 according to ISO 14644-1 For use in the fool industry See supplementary material information  Temperature of medium O°C 50°C Degree of protection IP65 Contamination level 2 Ambient temperature 10°C 50°C Storage temperature 10°C 50°C 10°C 50°C 10°C Storage temperature 10°C 50°C 10°C Storage temperature 10°C 50°C 10°C Storage temperature 10°C 50°C 10°C 10°C 10°C 10°C 10°C 10°C 10°C 1	CE marking (see declaration of conformity)	According to EU radio equipment directive (RED)
Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance  Shock resistance class (CRC)  2 - Moderate corrosion stress  VDMAZ4364-B1,B2-L Claseroom class  Class 4 according to ISO 16464-1 For use in the food industry  See supplementary material information  Temperature of medium  0 °C 50 °C  Contamination level  2 - Mobient temperature  0 °C 50 °C  Storage temperature  1 - O°C 50 °C  Storage temperature  2 - O°C 70 °C  Climatic category  3 - Sa s FE N 60721  Relative air humidity  0 - 8. 5% Non-condensing  Nominal altitude of use above sea level  3 - OOO M NIN  Application note  The product is suitable for industrial purposes only, Radio interference suppression measures may be required in residential areas.  Sound power level at a distance of 1 m  5 - OS - O	UKCA marking (see declaration of conformity)	
EN 60068-2-6  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC)  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 4 according to ISO 14644-1  For use in the food industry  See supplementary material information  Perger of protection  Degree of protection  Contamination level  Ambient temperature  0 °C 50 °C  Storage temperature  10 °C 50 °C  Storage temperature  20 °C 70 °C  Climatic category  3K3 as per EN 60721  Relative air hundity  0.8 % Non-condensing  Nominal altitude of use above sea level  43000 m NHN  The product is suitable for industrial purposes only, Radio interference suppression measures may be required in residential areas.  Sound power level at a distance of 1 m  51.9 dB(A)  Sound power level at a distance of 1 m  51.9 dB(A)  Floraduct weight  0.9 % FS  Hysteresis  0.4 % FS  Reproductibility  0.9 % FS  Hysteresis  0.4 % FS  Reproductibility  0.9 % FS  Temperature coefficient  0.02 % /K  Electrical connection 1, function  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, connection pattern  0.0994083  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With through-hole for M4 screw  With H-rail  Additional functions  Pneumatic connection 1  G1/8  Pneumatic connection 1  Fineumatic connection 1  G1/8	Certificate issuing authority	UL E322346
Corrosion resistance class (CRC)  2 - Moderate corrosion stress  LABS (PMIS) conformity  VDMA2/364-B1/B2-L  Cleanroom class  Class 4 according to ISO 14644-1  For use in the food industry  See supplementary material information  0 °C 50 °C  Degree of protection  PF65  Contamination level  2 2  Ambient temperature  20 °C 50 °C  Storage temperature  20 °C 50 °C  Cilmatic category  3X3 as per EN 60721  Climatic category  3X3 as per EN 60721  Relative air humidity  0 · 85 %  Non-condensing  Nominal altitude of use above sea level  3 3000 m NFIN  Application note  The product is suitable for industrial purposes only, Radio interference suppression measures may be required in residential areas.  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  1365 g  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.9 %FS  Hysteresis  0.4 %FS  Coverall accuracy  1.1 %FS  Temperature coefficient  Electrical connection 1, function  Electrical connection 1, function  Electrical connection 1, number of pins/wires  Electrical connection 1, number of pins/wires  Electrical connection 1, number of pins/wires  Electrical connection 1, injuntence of pins/wires  Electrical connection 1, fightening torque  Type of mounting  With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 2  G1/8  Pneumatic connection 2  G1/8  Pneumatic connection 2	Vibration resistance	
LABS (PWIS) conformity  Clear commits  Class & according to ISO 14644-1  For use in the food industry  See supplementary material information  Pegree of protection  Degree of protection  Pegs of protection  Contamination level  Ambient temperature  O°C50°C  Storage temperature  120°C70°C  Climatic category  Relative air humidity  O°85 %  Non-condensing  Nominal altitude of use above sea level  Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level at a distance of 1 m  S19, dB(A)  Product weight  365 g  Limearity  O.9 %FS  Reproducibility  O.4 %FS  Reproducibility  O.4 %FS  Reproducibility  O.4 %FS  Reproducibility  O.4 %FS  Temperature coefficient  O.02 %/K  Electrical connection 1, function  Electrical connection 1, connection type  Electrical connection 1, connection technology  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  5 Electrical connection 1, number of pins/wires  Electrical connection 1, input proper of pins/wires  5 Electrical connection 1, number of pins/wires  5 Electrical connection 1, number of pins/wires  5 Electrical connection 1, input proper of pins/wires  5 Electrical connection 1, number of pins/wires  5 Electrical connection 1, input proper of pins/wires  6 Electrical connection 1, input proper of pins/wires  7 Electrical connec	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Clearroom class  Class 4 according to ISO 14644-1 For use in the food industry  See supplementary material information  1 PB65  Contamination level  2 Ambient temperature  0 °C 50 °C  Storage temperature  2 20 °C 70 °C  Climatic category  3 K3 as per EN 60721  Relative air humidity  0 .85 % Non-condensing  Nominal altitude of use above sea level  4 23000 m NHN  Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level  5 2.5 dB(A)  Sound power level at a distance of 1 m  5 1.9 dB(A)  Product weight  365 g  Linearity  0,9 %FS  Hysteresis  0,4 %FS  Reproducibility  0,4 %FS  Reproducibility  0,4 %FS  Temperature coefficient  0,02 %/K  Electrical connection 1, function  Electrical connection 1, function  Electrical connection 1, connection type  Electrical connection 1, number of pins/wires  5 Electrical connection 1, number of pins/wires  5 Electrical connection 1, injection with the representation open and the representation of the power supply  Electrical connection 1, injection plattern  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Pneumatic connection 2  G1/8  Pneumatic connection 2  G1/8	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
For use in the food industry  Temperature of medium  O °C 50 °C  Degree of protection  IP65  Contamination level  2  Ambient temperature  O °C 50 °C  Storage temperature  10°C 50 °C  Storage temperature  O °C 50 °C  Storage temperature  10°C 50 °C  Storage temperature  10°C 70°C  Climatic category  3K3 as per EN 60721  Relative air humidity  O . 85 %  Non-condensing  Nominal altitude of use above sea level  23000 m NHN  Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.5 %FS  Reproducibility  0.6 %FS  Reproducibility  0.7 %FS  Reproducibility  0.8 %FS  Reproducibility  0.9 %FS  Reproducibility  0.1 %FS  Temperature coefficient  Electrical connection 1, function  Actual value output  Setpoint input  Power supply  Electrical connection 1, connection type  Plug  Electrical connection 1, connection technology  M12x1 A-coded as per EN 61076-2-101  Electrical connection 1, connection pattern  Description of input 1, connection pattern  With through-hole for M4 screw  With th	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium 0 °C 50 °C Degree of protection IP65 Contamination level 2 Ambient temperature 0 °C 50 °C Storage temperature 2-0 °C 70 °C Climatic category 3K3 as per EN 60721 Relative air humidity 0 -85 % Non-condensing Nominal altitude of use above sea level c3000 m NHN Application note pupperssion measures may be required in residential areas. Sound power level at a distance of 1 m 51.9 dB(A) Product weight 36 g Linearity 0.9 %F5 Hysteresis 0.4 %F5 Reproducibility 0.5 %K Reproducibility 0.5 %K Reproducibility 0.6 %F5 Reproducibility 0.7 %K Reproducibility 0.8 %F5 Reproducibility 0.9 %F5 Reproducibilit	Cleanroom class	Class 4 according to ISO 14644-1
Degree of protection IP65  Contamination level 2  Ambient temperature 0°C 50 °C  Storage temperature 2°C 70 °C  Climatic category 3K3 as per EN 60721  Relative air humidity 0°85 % Non-condensing Nominal altitude of use above sea level c3000 m NHN  Application note The product is suitable for industrial purposes only, Radio interference suppression measures may be required in residential areas.  Sound power level at a distance of 1 m 51.9 dB(A)  Product weight 365 g  Linearity 0.9 %FS Hysteresis 0.4 %FS  Reproducibility 0.4 %FS  Reproducibility 0.4 %FS  Overall accuracy 1.1 %FS  Temperature coefficient 0.02 %/K  Electrical connection 1, function Actual value output Setpoint input Power supply  Electrical connection 1, connection type Plug  Electrical connection 1, connection technology M12x1 A-coded as per EN 61076-2-101  Electrical connection 1, inumber of pins/wires 5  Electrical connection 1, tightening torque 1.5 Nm  Type of mounting With H-rail  Additional functions Bluetooth (version 4.2)  Pneumatic connection 1  G1/8  Pneumatic connection 2  G1/8  Pneumatic connection 2  G1/8	For use in the food industry	See supplementary material information
Contamination level 2 Ambient temperature 0°C50°C Storage temperature 20°C70°C Climatic category 3K3 as per EN 60721 Relative air humidity 0°S 5% Non-condensing Nominal altitude of use above sea level 3000 m NHN Application note The product is suitable for industrial purposes only, Radio interference suppression measures may be required in residential areas.  Sound power level 62.5 dB(A) Sound power level 365 g Linearity 0.9 %FS Hysteresis 0.4 %FS Reproducibility 0.4 %FS Reproducibility 0.4 %FS Reproducibility 0.4 %FS Temperature coefficient 0.002 %/K Electrical connection 1, function Electrical connection 1, function Setpoint input Power supply Electrical connection 1, connection type Plug Electrical connection 1, connection technology M12x1 Acoded as per EN 61076-2-101 Electrical connection 1 input 1, connection pattern 00994083 Electrical connection 1, tightening torque 1.5 Nm Type of mounting With through-hole for M4 screw With H-rail Additional function Bluetooth (version 4.2) Pneumatic connection 1 G1/8 Pneumatic connection 1 G1/8 Pneumatic connection 2 G1/8	Temperature of medium	0 °C 50 °C
Ambient temperature  10 °C 50 °C  Storage temperature  20 °C 70 °C  Climatic category  Relative air humidity  Non-condensing  Nominal altitude of use above sea level  Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level  62.5 dB(A)  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  365 g  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.4 %FS  Reproducibility  0.4 %FS  Temperature coefficient  0.02 %/K  Electrical connection 1, function  Setpoint input Power supply  Electrical connection 1, connection type  Plug  Electrical connection 1, connection tempoly  M12 A-coded as per EN 61076-2-101  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With H-rail  Additional functions  Pneumatic connection 2  G1/8  Fneumatic connection 2  G1/8  Fneumatic connection 2  G1/8  Fneumatic connection 2  G1/8	Degree of protection	IP65
Storage temperature  -20 °C 70 °C  Climatic category  3K3 as per EN 60721  Relative air humidity  0 · 85 %  Non-condensing  Nominal altitude of use above sea level  23000 m NHN  Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level  362.5 dB(A)  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.4 %FS  Reproducibility  0.4 %FS  Temperature coefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  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  5  Electrical connection 1, ightening torque  Type of mounting  With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 2  G1/8  Fneumatic connection 2  G1/8	Contamination level	2
Climatic category  Relative air humidity  0 - 85 % Non-condensing  Nominal altitude of use above sea level  2 3000 m NHN  Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level  62.5 dB(A)  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  365 g  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.4 %FS  Reproducibility  0.4 %FS  Reproducibility  0.2 %/K  Temperature coefficient  0.02 %/K  Electrical connection 1, function  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, connection technology  M12x1 A-coded as per EN 61076-2-101  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 1  G1/8  Pneumatic connection 2  G1/8	Ambient temperature	0 °C 50 °C
Relative air humidity  Nominal altitude of use above sea level  Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level  62.5 dB(A)  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  365 g  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Qverall accuracy  1.1 %FS  Temperature coefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, number of pins/wires  Electrical connection 1, tightening torque  Type of mounting  Mith through-hole for M4 screw with H-rail  Additional functions  Pheumatic connection 1  G1/8  Pneumatic connection 2  G1/8  Find a cynony and with through-hole for M4 screw with H-rail  Additional functions  Pneumatic connection 1  G1/8  Fine discussive and supplies	Storage temperature	-20 °C 70 °C
Relative air humidity  Nominal altitude of use above sea level  Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level  62.5 dB(A)  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  365 g  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Qverall accuracy  1.1 %FS  Temperature coefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, number of pins/wires  Electrical connection 1, tightening torque  Type of mounting  Mith through-hole for M4 screw with H-rail  Additional functions  Pheumatic connection 1  G1/8  Pneumatic connection 2  G1/8  Find a cynony and with through-hole for M4 screw with H-rail  Additional functions  Pneumatic connection 1  G1/8  Fine discussive and supplies	Climatic category	3K3 as per EN 60721
Application note  The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas.  Sound power level  62.5 dB(A)  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  365 g  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.4 %FS  Overall accuracy  1.1 %FS  Temperature coefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  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  5  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 1  G1/8  Pneumatic connection 2  G1/8	Relative air humidity	-
suppression measures may be required in residential areas.  Sound power level Sound power level at a distance of 1 m S1.9 dB(A)  Product weight 365 g Linearity 0.9 %FS Hysteresis 0.4 %FS Reproducibility 0.4 %FS  Reproducibility 0.4 %FS  Reproducibility 0.4 %FS  Electrical connection 1, function Cleetrical connection 1, function Cleetrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, number of pins/wires Electrical connection 1, number of pins/wires Electrical connection 1, tightening torque 1.5 Nm Type of mounting With H-rail Additional functions Bluetooth (version 4.2) Pneumatic connection 1 S1.9 dB(A) S2.5 dB(A) S2.5 dB(A) S4.6 S4.6 S4.6 S4.6 S4.6 S4.6 S4.6 S4.6	Nominal altitude of use above sea level	< 3000 m NHN
Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  10.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.4 %FS  Overall accuracy  1.1 %FS  Temperature coefficient  0.02 %/K  Electrical connection 1, function  Electrical connection 1, connection type  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  Electrical connection 1, number of pins/wires  Electrical connection 1, tightening torque  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Pneumatic connection 2  61/8  Fneumatic connection 2  Find a distance of 1 m  51.9 dB(A)  A65 g  Actual Value  Actual value output  Setpoint input Power supply  Plug  Actual value output Setpoint input Power supply  Flug  Actual value output Setpoint input Power supply  Flug  In M12x1 A-coded as per EN 61076-2-101  Solventing  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Fneumatic connection 1  G1/8  Fneumatic connection 2  G1/8	Application note	
Product weight Linearity O.9 %FS  Hysteresis O.4 %FS  Reproducibility O.4 %FS  Overall accuracy 1.1 %FS  Temperature coefficient O.02 %/K  Electrical connection 1, function 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 Electrical connection 1, tightening torque Type of mounting With through-hole for M4 screw With H-rail Additional functions Bluetooth (version 4.2) Pneumatic connection 2 G1/8 Pneumatic connection 2	Sound power level	62.5 dB(A)
Linearity 0.9 %FS  Hysteresis 0.4 %FS  Reproducibility 0.4 %FS  Overall accuracy 1.1 %FS  Temperature coefficient 0.02 %/K  Electrical connection 1, function Actual value output Setpoint input Power supply  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 5  Electrical connection 1, tightening torque 1.5 Nm  Type of mounting With through-hole for M4 screw With H-rail  Additional functions Bluetooth (version 4.2)  Pneumatic connection 2 61/8	Sound power level at a distance of 1 m	51.9 dB(A)
Reproducibility Overall accuracy 1.1 %FS Temperature coefficient O.02 %/K Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, number of pins/wires Electrical connection 1, tightening torque Type of mounting  Additional functions Pneumatic connection 1 Electrical connection 2 Electrical connection 2 Electrical connection 2 Electrical connection 3 Electrical connection 3 Electrical connection 4 Electrical connection 3 Electrical connection 4 Electrical connection 3 Electrical connection 4 Electrical connection 5 Electrical connection 6 Electrical connection 6 Electrical connection 7 Electrical connection 8 Electrical connection 9 Electrical connection	Product weight	365 g
Reproducibility Overall accuracy 1.1 %FS Temperature coefficient O.02 %/K Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection for input 1, connection pattern Oo994083 Electrical connection 1, tightening torque Type of mounting With through-hole for M4 screw With H-rail Additional functions Bluetooth (version 4.2) Pneumatic connection 2 G1/8 Pneumatic connection 2	Linearity	0.9 %FS
Overall accuracy  Temperature coefficient  O.02 %/K  Electrical connection 1, function  Electrical connection 1, connection type  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  Electrical connection 1, number of pins/wires  Electrical connection 1, tightening torque  Type of mounting  Additional functions  Pneumatic connection 1  G1/8  Pneumatic connection 2  I.1 %FS  Actual value output Setpoint input Se	Hysteresis	0.4 %FS
Temperature coefficient  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, connection technology  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  Electrical connection 1, number of pins/wires  Electrical connection for input 1, connection pattern  O0994083  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 2  G1/8  Pneumatic connection 2	Reproducibility	0.4 %FS
Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  Electrical connection for input 1, connection pattern  Electrical connection 1, tightening torque  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 2  G1/8  Final Actual value output Setpoint input S	Overall accuracy	1.1 %FS
Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, connection technology  Electrical connection 1, number of pins/wires  Electrical connection 1, number of pins/wires  Electrical connection for input 1, connection pattern  O0994083  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 2  G1/8  Final Setpoint input Power supply  Bluetooth (version 4.2)  G1/8	Temperature coefficient	0.02 %/K
Electrical connection 1, connection technology  M12x1 A-coded as per EN 61076-2-101  Electrical connection 1, number of pins/wires  5  Electrical connection for input 1, connection pattern  00994083  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 2  G1/8  Pneumatic connection 2  G1/8	Electrical connection 1, function	Setpoint input
Electrical connection 1, number of pins/wires  Electrical connection for input 1, connection pattern  00994083  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 1  G1/8  Pneumatic connection 2  G1/8	Electrical connection 1, connection type	Plug
Electrical connection for input 1, connection pattern  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 1  G1/8  Pneumatic connection 2  G1/8	Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 1  G1/8  Pneumatic connection 2  G1/8	Electrical connection 1, number of pins/wires	5
Type of mounting  With through-hole for M4 screw With H-rail  Additional functions  Bluetooth (version 4.2)  Pneumatic connection 1  G1/8  Pneumatic connection 2  G1/8	Electrical connection for input 1, connection pattern	00994083
With H-rail Additional functions Bluetooth (version 4.2) Pneumatic connection 1 G1/8 Pneumatic connection 2 G1/8	Electrical connection 1, tightening torque	1.5 Nm
Pneumatic connection 1 G1/8 Pneumatic connection 2 G1/8	Type of mounting	
Pneumatic connection 2 G1/8	Additional functions	Bluetooth (version 4.2)
	Pneumatic connection 1	G1/8
Pneumatic connection 3 G1/8	Pneumatic connection 2	G1/8
	Pneumatic connection 3	G1/8
Max. tightening torque of pneumatic fitting 8.5 Nm	Max. tightening torque of pneumatic fitting	8.5 Nm

Feature	Value
Note on materials	RoHS-compliant
Housing material	PA-reinforced
	HNBR PTFE