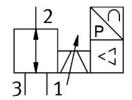
Proportional pressure control valve VPPI-5L-3-G18-0L2H-V1-S1BT

FESTO

Part number: 8153295





General operating condition

Data sheet

Nominal width pressurization Exhaust nominal width Actuation type Sealing principle Total leakage	5 mm 5 mm Electrical Soft 5 l/h Non-reversible Any
Actuation type Sealing principle	Electrical Soft 5 l/h Non-reversible
Sealing principle	Soft 5 l/h Non-reversible
	5 l/h Non-reversible
Total leakage	Non-reversible Non-reversible
0	
Flow direction	Any
Mounting position	
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	2 bar 4 bar
Pressure regulation range MPa	0 MPa 0.2 MPa
Pressure regulation range	0 bar 2 bar
Inlet pressure 1	0 bar 6 bar
Inlet pressure 1 MPa	0 MPa 0.6 MPa
Burst pressure	40 bar
Standard nominal flow rate	375 l/min
Standard nominal flow rate 2-3	210 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 0 - 85 % Non-condensing Nominal altitude of use above sea level 4 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 52.5 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 O - 85 % Non-condensing 6 - 85 % Non-condensing	Feature	Value
Precision analog output in +%FS 1%FS Compressed air as per ISO 8573-1:2010 [7:4:4] Interference information on operating and pilot media Operation with oil lubrication not possible Certification CC	Analog output signal range	0 - 10 V
Operating medium Cempressed air as per ISO 8573-1:2010 [7:44] Information on operating and pilot media Operation with oil lubrication not possible FCC CC clus - Listed (OL) As per EU EMC directive According to EU radio equipment directive (RED) As per EU EMC directive According to EU radio equipment directive (RED) As per EU EMC directive According to EU radio equipment directive (RED) As per EU EMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK ROBS instructions Certificate Issuing authority UL E322346 Utration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-27 Corrosion 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 For use in the food industry VMMA2364-8-1782-1 Claramoun Class Class 4 according to ISO 14644-1 For use in the food industry See supplementary material information Possess of Contamination level Ambient temperature OPC 50 °C Degree of protection IPG5 Contamination level Application note 303 as per EN 60722 Relative air humidity O. 8-35 Non condensing Normal allitude 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 Floridation of the State of Stat	Min. load resistance of voltage output	2 kOhm
Inert gas Information on operating and pilot media Certification ECC Mic CUL us - Listed (OL) CE marking (see declaration of conformity) As per EU RM directive According to EU raido equipment directive (RED) As per EU RM directive According to EU raido equipment directive (RED) As per EU RM directive According to EU raido equipment directive (RED) As per EU RMS directive URCA marking (see declaration of conformity) URCA marking (see declaration feet with severity level 2 as per FN 942017-4 and EN 60068 2-26 ER 6068-2-6 ER 60	Precision analog output in ± %FS	1 %FS
Certification ECC MIC CIU us-Listed (D1) CIU us-Listed (D1) CIU us-Listed (D1) CE marking (see declaration of conformity) As per EU EMC directive According to EU radio equipment directive (RED) As per EU EMC directive According to EU radio equipment directive (RED) As per EU EMC directive Certificate issuing authority UL 522346 Certificate issuing authority UL 522346 Certificate issuing authority UL 522346 Certificate issuing authority UI 522346 Certificate issuing authority UI 522346 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-27 Corrosion 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 Class 4 according to 1501 4644-1 Clean-room class Class 4 according to 1501 4644-1 Clean-room class Class 4 according to 1501 4644-1 For use in the food industry See supplementary material information Temperature of medium O*C50 *C Corrosion the food industry Temperature of medium O*C50 *C Storage temperature 1 0 *C50 *C Storage temperature 2 0 *C70 *C Climatic category Relative air humidity O*S50 *C Storage temperature 2 0 *C70 *C Climatic category Relative air humidity Norman 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 5 1.9 d8(N) Product weight O*S50 *C Sound power level at a distance of 1 m 5 1.9 d8(N) Product weight O*S50 *C MASS Reproductibility O*S50 *C MASS Reproductibility O*S50 *C MASS Reproductive in the food industry Relative air humidity Relative air horizontal areas. Relative air humidity Relative air humidity Relative	Operating medium	
MIC CLU us - Listed (OL) CE marking (see declaration of conformity) As per EU EMC directive According to EU Land dequipment directive (RED) As per EU EMC directive As per EU Rold Sirective IOUK RAIS directive IOUK R	Information on operating and pilot media	Operation with oil lubrication not possible
According to EU adio equipment directive (RED) As per EU Rolfs directive UKCA marking (see declaration of conformity) To UK instructions for FMC To UK RoHS instructions Certificate issuing authority ULE322346 Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-8 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 Class GNMS; conformity VDMA2336-8-81/B7-1 Cleanroom class Class 4 according to ISO 14646-1 For use in the food industry See supplementary material information Temperature of medium 0.°C50°C Degree of protection 1P65 Contamination level 20 Ambient temperature 20 °C70°C Climatic category 3rd 3as per EN 60721 Relative air humidity 085 % Non-condensing Nominal altitute 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 51.9 dB(A) Product weight 1.0 4 %FS Reproductibility 0.9 %FS Hysteresis Reproductibility 0.9 %FS Temperature coefficient Electrical connection 1, function Actual value output Septimation purpose only. Radio interference suppression measures may be required in residential areas. Product weight 1.0 %FS Temperature coefficient Electrical connection 1, function Actual value output Septimit input Power supply Electrical connection 1, connection technology M12x1 A-coded as per EN 61076-2-101 Electrical connection for input 1, connection pattern Oog94083 Electrical connection for input 1, connection pattern Oog94083 Electrical connection 1, connection pattern Oog94081 Electrical connection 1, connection pattern Oog94083 Electrical connection 1 G1/8 Pneumatic connection 2 G1/8	Certification	MIC
To UK RoHS Instructions Certificate issuing authority Ulta32346 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 Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PMIS) conformity VDMA2364-81/82-1 Clearnoom class Class 4 according to 150 14644-1 For use in the fool industry See supplementary material information Temperature of medium 0 °C 50 °C Degree of protection PF65 Contamination level 2 Ambient temperature 0 °C 50 °C Ambient temperature 20 °C 50 °C Storage temperature 20 °C 50 °C Climatic category 3X 3a sper EN 60721 Relative air humidity 0.8 °S % 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 at a distance of 1 m 51.9 dB(N) Product weight 365 g Linearity 9.9 %FS Hysteresis 9.4 %FS Seproducibility 0.4 %FS Coverall accuracy 1.1 %FS Linearity 9.9 %FS Hysteresis 0.4 %FS Electrical connection 1, connection technology Electrical connection 1, connection technology Electrical connection 1, inconcetion technology Electrical connection 1, connection technology Electrical connection 1, inconcetion pattern Openum Sharp Hysteresis 1.5 Mm With Hraul Hysteresis 1.6 Linearity 1.5 Mm With Hraul Hysteresis 1.5 Mm With Hraul Hysteresis 1.5 Mm Preumatic connection 1. 6 Ms With Hraul Hysteresis 1.6 Linearity 1.7 Ms Preumatic connection 1. 6 Ms With Hraul Hysteresis 1.5 Ms Preumatic connection 2 6 Linearity 1.5 Ms Preumatic connection 2 6 Linearity 1.5 Ms Preumatic connection 2 6 Linearity 1.5 Ms Preumatic connection 1. 6 Ms Separative Confection 1. 6 Ms Separativ	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 VDMA24364-B1/B2-1. Claserom class Class 4 according to ISO 16464-1 For use in the food industry See supplementary material information Temperature of medium O°C 50°C Degree of protection Degree of protection O°C 50°C Storage temperature O°C 50°C Storage temperature O°C 70°C Climatic category Relative air humidity O -8 5° % 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 S1.9 dB(A) Product weight O -8 6°S Reproduct Weight O -9 6°FS Hysteresis O -9 6°FS Hysteresis O -9 6°FS Reproduct Distance of 1 m S1.9 dB(A) Product weight O -9 6°FS Reproduct Distance of 1 m S1.9 dB(A) Product weight O -9 6°FS Reproduct weight O -9 6°FS R	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 150 14644-1 For use in the food industry See supplementary material information Premperature of medium 0 °C 50 °C Degree of protection Pre5 Contamination level 2 - Ambient temperature 0 °C 50 °C Contamination level 3 - Contamination level 3 - Contamination level 3 - Contamination level 4 - Contamination level 5 - Contamination level 6 - Contamination level 7 - Contamination level 8 - Contamination level 9 - Contamination leve	Certificate issuing authority	UL E322346
Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364-B1/82-L Cleanroom class Class 4 according to ISO 14644-1 For use in the food industry See supplementary material information O °C 50 °C Degree of protection Press Contamination level Ambient temperature O °C 50 °C Storage temperature Climatic category 373 as per EN 60721 Climatic category 383 as per EN 60721 Relative air humidity O *85 % 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 at a distance of 1 m 51.9 dB(A) Product weight Linearity O *9 %FS Hysteresis O 4 %FS Reproducibility O 4 %FS Reproducibility O 4 %FS Temperature coefficient Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, number of pins/wires Electrical connection 1, number of pins/wires Electrical connection 1, input 1, connection pattern Dopped Connection 2 Additional functions Bluetooth (version 4.2) Pneumatic connection 2 G1/8 Pneumatic connection 2 G1/8 Pneumatic connection 2 G1/8 Pneumatic connection 2 G1/8	Vibration resistance	
LABS (PWIS) conformity Clear com class Class 4 according to ISO 14644-1 For use in the food industry See supplementary material information Pegree of protection Lefe5 Contamination level Ambient temperature ○ °C 50 °C Ambient temperature ○ °C 50 °C Contamination level Ambient temperature ○ °C 50 °C Contamination level Ambient temperature ○ °C 70 °C Climatic category Relative air humidity ○ **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 51.9 dB(A) Product weight 365 g Limearity ○ 9 %FS Hysteresis ○ 4 %FS Reproducibility ○ 4 %FS Emperature coefficient ○ 0.02 %/K Electrical connection 1, function Actual value output Sepoint input Power supply Electrical connection 1, connection type Plug Electrical connection 1, number of pins/wires 5 Electrical connection 1, ightening torque 1.5 Nm Type of mounting With through-hole for M4 screw With H-rail Additional functions Pneumatic connection 2 G1/8 Pneumatic connection 2 G1/8	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Clear on Class Class 4 according to ISO 14644-1 For use in the food industry See supplementary material information Pogree of protection O°C 50 °C Degree of protection PP65 Contamination level 2 Ambient temperature O°C 50 °C Storage temperature O°C 70 °C Climatic category 3X3 as per EN 60721 Relative air humidity O .85 % 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 5.5 und power level at a distance of 1 m 5.19 dB(A) Product weight 365 g Linearity O, 9 %F5 Hysteresis Overall accuracy 1.1 %F5 Temperature coefficient O, 20 %/K Electrical connection 1, function Electrical connection 1, function Plug Electrical connection 1, connection type Electrical connection 1, number of pins/wires Electrical connection 1, number of pins/wires Electrical connection 1, injection With through-hole for M4 screw With through-hole for	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
For use in the food industry Temperature of medium 0 °C 50 °C Degree of protection 1P65 Contamination level 2 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 humidity 0 - 85 % Non-condensing Nominal altitude of use above sea level 43000 m NHN Application note 5000 m berequired 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 10 - 9 %FS Reproductibility 0.4 %FS Reproducibility 0.5 %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, connection power enter one possession of the posses	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium 0°C 50°C Degree of protection 1P65 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 4 3000 m NHN Application note 50.25 de (A) Application note 50.25 de (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 0.4 %FS Reproducibility 0.4 %FS Temperature coefficient 0.00 W/K Electrical connection 1, function 4 ctual 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, tonnection pattern 15.5 Nm Type of mounting With through-hole for M4 screw With H-rail Electrical connection 1 (1) (1) (818) Pneumatic connection 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (Cleanroom class	Class 4 according to ISO 14644-1
Degree of protection IP65 Contamination level 2 Ambient temperature 0°C 50 °C 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 c 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 c 6.2.5 dB(A) Sound power level at a distance of 1 m 51.9 dB(A) Product weight 365 g Linearity 0.9 %F5 Hysteresis 0.4 %F5 Reproducibility 0.4 %F5 Overall accuracy 1.1 %F5 Temperature coefficient 0.02 %FK 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	For use in the food industry	See supplementary material information
Contamination level 2 Ambient temperature 0 °C 50 °C Storage temperature 20 °C 50 °C Storage temperature 20 °C 70 °C Climatic category 3K3 as per EN 60721 Relative air humidity 0 °S % 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 Overall accuracy 1.1 %FS Temperature coefficient 0.0.2 %/K Electrical connection 1, function Setpoint input Power supply Electrical connection 1, connection type Plug Electrical connection 1, connection type Plug Electrical connection for input 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 function 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 3K3 as per EN 60721 Relative air humidity 0. 85 % Non-condensing Nominal altitude of use above sea level 43000 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 Temperature coefficient 1.1 %FS Temperature coefficient 1.0 20 %/K Electrical connection 1, function 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 to number of pins/wires 5 Electrical connection 1, tiphtening torque 1.5 Nm Type of mounting With through-hole for M4 screw With H-rail Additional functions Pneumatic connection 2 G1/8 Pneumatic 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 43000 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 50 und 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 Electrical connection 1, function Electrical 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, ightening torque Type of mounting With Hraail Additional functions Bluetooth (version 4.2) Pneumatic connection 2 G1/8 Fneumatic connection 2 G1/8 Fneumatic 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 Electrical connection 1, function Climatic connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, number of pins/wires Electrical connection 1, tightening torque Type of mounting 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 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, number of pins/wires 5 Electrical connection 1, inmber 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 Pneumatic connection 1 G1/8 Pneumatic connection 2 G1/8	Storage temperature	-20 °C 70 °C
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 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 Clettrical connection 1, function Actual value output Setpoint input Power supply 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 1.5 Nm Type of mounting Mith through-hole for M4 screw With H-rail Additional functions Pneumatic connection 1 G1/8 Pneumatic connection 2 G1/8 G1/8	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 2 G1/8 Pneumatic connection 2	Relative air humidity	
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 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	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 1365 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 2 G1/8 Pneumatic connection 2	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 Pneumatic connection 2	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 Bluetoch (version 4.2) Pneumatic connection 2 O.4 %FS O.4 %F	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 61/8 Final MFS O.4 %FS O.4 %FS O.2 %/K Actual value output Setuin input Power supply Plug Blug Flug Flug	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 Power supply M12x1 A-coded as per EN 61076-2-101 Electrical connection 1, number of pins/wires 5 Electrical connection for input 1, connection pattern O0994083 Electrical connection 1, tightening torque I.5 Nm With through-hole for M4 screw With H-rail Additional functions Bluetooth (version 4.2) Pneumatic connection 2 G1/8	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 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	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 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 2 G1/8 Pneumatic connection 2	Overall accuracy	1.1 %FS
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 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	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 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 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