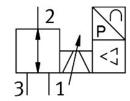
## Proportional-pressure regulator VPPI-5L-3-G18-0L10H-V1-S1D Part number: 8104669

**FESTO** 





## **Data sheet**

| Feature   | Value                                 |
|---|---------------------------------------|
| Nominal size, supply                                  | 5 mm                                  |
| Nominal size, exhaust                                 | 5 mm                                  |
| Type of actuation                                     | Electric                              |
| Sealing principle                                     | Soft                                  |
| Total leakage   | 5 l/h                                 |
| Flow direction  | Non-reversible                        |
| Mounting position                                     | optional                              |
| Design  | Poppet valve with spring return       |
| Short circuit current rating                          | For all electrical connections        |
| Max. cable length                                     | 30 m                                  |
| Setpoint value input                                  | 0 - 10 V<br>PWM<br>Digital            |
| Input resistance                                      | 100 kOhm                              |
| Safety instructions                                   | Safety position VPPI, normally closed |
| Reverse polarity protection                           | For all electrical connections        |
| Type of reset   | Mechanical spring                     |
| Dimensions (W x L x H)                                | 42.2 x 95.3 x 94.3 mm                 |
| Type of piloting                                      | Direct                                |
| Valve function  | 3-way proportional pressure regulator |
| Display type  | TFT colour                            |
| Display size  | 1.77"                                 |
| Display resolution                                    | 128x160 pixels                        |
| Operating pressure                                    | 10 bar12 bar                          |
| Pressure regulation range                             | 0 MPa1 MPa<br>0 bar10 bar             |
| Inlet pressure 1                                      | 0 bar13 bar<br>0 MPa1.3 MPa           |
| Burst pressure  | 40 bar                                |
| Standard nominal flow rate (standardised to DIN 1343) | 1400 l/min                            |
| Standard nominal flow rate 2-3                        | 750 l/min                             |
| Operational voltage range DC                          | 21.6 V27.6 V                          |

| Max. current consumption   \$25 mA   Max. current consumption   \$14.5 W   Max. celtricity power consumption   \$14.5 W   Max. current   \$25 mA   Max. cu | Feature  | Value  |
|---|--|--|
| Mac. electrical power consumption  14,5 W  Nominal operating voltage DC  24 V  Withing output  Mac. output current  25 mA  Signal range analogue output  Mac. output current  2000 Ohm  Accuracy analogue output  Min. load resistance voltage output  2000 Ohm  Accuracy analogue output in %F5  1 %F5  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Inert gases  Note on operating and pilot medium  Moproval  EE mark (see declaration of conformity)  To ELE ELC Directive  Iso Isolated Operation not possible  MCK marks  MCCEMV  EE mark (see declaration of conformity)  To ELE SINC Directive  In coordance with EU Rolts Directive  In  | Nominal current                                      | 0.15 A   |
| Nominal operating voltage DC Switching output Push-pull Max. output current 25 mA Signal range analogue output 0 - 10 V Mink. load resistance voltage output No. 19 WS Signal range analogue output in #WS 11 MS Operating medium Note on operating and pilot medium   | Max. current consumption                             | 525 mA   |
| Switching output Max. Output current 25 mA Max. Output current 25 mA Min. Ioad resistance voltage output 0 - 10 V Min. Ioad resistance voltage output 1 2000 Ohm Accuracy analogue output in ± %FS Departing medium Mote on operating and pilot medium Lunfricated operation not possible RCM trademark CLU us listed (OU) RC mark RCE mark (see declaration of conformity) To ELI EMC Directive In accordance with EU RortS Directive In accordance with EU RortS Directive In Scordance with EU RortS Dire  | Max. electrical power consumption                    | 14.5 W   |
| Max. output current  25 mA  5 ignal range analogue output  3 o 10 V  Min. load resistance voltage output  2000 Ohm  Accuracy analogue output in # %FS  3 m/S  Diperating medium  Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases  Note on operating and pilot medium  Approval  Accuracy analogue output in # %FS  Accuracy analogue output in # %FS  Diperating medium  Lubricated operation not possible  Reformance of the deciration of conformity  Reformance of the deciration of conformity)  Reformance of the CE mark (see declaration of conformity)  BUK C mark  EE mark (see declaration of conformity)  BUK C mark  EE mark (see declaration of conformity)  BUK C mark  EE mark (see declaration of conformity)  BUK C mark (see d  | Nominal operating voltage DC                         | 24 V   |
| Max. output current  25 mA  5 ignal range analogue output  3 o 10 V  Min. load resistance voltage output  2000 Ohm  Accuracy analogue output in # %FS  3 m/S  Diperating medium  Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases  Note on operating and pilot medium  Approval  Accuracy analogue output in # %FS  Accuracy analogue output in # %FS  Diperating medium  Lubricated operation not possible  Reformance of the deciration of conformity  Reformance of the deciration of conformity)  Reformance of the CE mark (see declaration of conformity)  BUK C mark  EE mark (see declaration of conformity)  BUK C mark  EE mark (see declaration of conformity)  BUK C mark  EE mark (see declaration of conformity)  BUK C mark (see d  | Switching output                                     | Push-pull  |
| Min. load resistance voltage output  2000 0 hm  Accuracy analogue output in 2 MFS  1 VEFS  1 V  | Max. output current                                  | 25 mA  |
| Accuracy analogue output in * %FS Operating medium Increases Note on operating and pilot medium Unbricated operation not possible Approval RCM randemak CUL us listed (OL) KC mark CE mark (See declaration of conformity) To EU EMC Directive In accordance with EU ROHS Directive In CUR Marking (See declaration of conformity) UL \$22346  Vibration resistance UKCA marking (See declaration of conformity) UL \$22346  Vibration resistance To UK ROHS instructions School set with severity level 2 to FN 942017-4 and EN 60869-2-6 Shock resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-81/B2-1 Cleancoom class Usultable for use with food See supplementary material information Media temperature 0 °C50 °C Degree of protection 1P65 Pollution degree 2 Pollution degree 2 Pollution degree 3 Pollution degree 3 Pollution degree 4 Pollution degree 5 Pollution of See Supplementary material information Fine Relative air humidity 0 - 89% Non-condensing Noninal altitude of use 1 See Supplementary material information of the second of  | Signal range analogue output                         | 0 - 10 V   |
| Operating medium  Compressed air to ISO 8573-1;2010 [7:4:4] Inort gates  Note on operating and pilot medium  Lubricated operation not possible  RCM trademark  LC turs listed (OL)  KC mark  KC Emark  KC Emark  KC Emark  KC Emark (See declaration of conformity)  To EU EM. Directive In accordance with EU ROHS Directive In Court Roy In Structions for EMC  IOU KROHS instructions  Certificate issuing authority  ULE 322346  Wibration resistance  Shock resistance  Shock resistance  Shock test with severity level 2 to FN 942017-4 and EN 60068-2-6  Shock resistance  Shock resistance (Shock Shock In S  | Min. load resistance voltage output                  | 2000 Ohm   |
| Inert gases Note on operating and pilot medium Lubricated operation not possible RCM trademark CUL us listed (OU) RC mark RC m  | Accuracy analogue output in ± %FS                    | 1 %FS  |
| Approval  RCM trademark CUL silsted (OL)  RC mark RC Emark (see declaration of conformity)  To EU EMC Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive In Conformity  UK EAM marking (see declaration of conformity)  To UK instructions for EMC To UK RoHS instructions  Fertificate issuing authority  UL 5322346  UE 5322346  Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-26  Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27  Corrosion resistance class CRC  2-Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-1  Cleanroom class  Class 4 according to ISO 14644-1  See supplementary material information  Media temperature  O "C50 "C  Ambient temperature  O "C50 "C  Ambient temperature  O "C50 "C  Corrosion and the presentary  Ambient temperature  O "C50 "C  Corrosion and the presentary  Relative air humidity  O . 85%  Non-condensing  Nominal altitude of use  Instructions on use  The product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas.  Sound power level at a distance of 1 m  Product weight  Description  Product weight  Description  Area  Reproducibility  O . 85%  Reproduci  | Operating medium                                     | · ·  |
| C UL us listed (OL)  KC Mark  KC EMV  To EU EMC Directive in accordance with EU RoHS Directive In Court of See declaration of conformity)  To UK instructions for EMC To UK RoHS instructions  Certificate Issuing authority  UL E322346  Transport application test with severity level 2 to FN 942017-4 and EN 8068-2-6  Shock resistance  Shock resistance  Shock resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-81/82-1  Cleanroom class  Class A according to ISO 14644-1  Sustable for use with food  See supplementary material information  Media temperature  0 °C50 °C  Degree of protection  Ple65  Pollution degree  2 2  Ambient temperature  0 °C50 °C  Storage temperature  0 °C70 °C  Climatic category  Romanial altitude of use  10 °C70 °C  Climatic category  Romanial altitude of use  11 sp Product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas.  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  10 0.9 %FS  Reproducibility  0.4 %FS  Reproducibility  0.5 %FS  Reproducibility  0.6 %FS  Reproducibility  0.7 %FS  Reproducibility  0.8 %FS  Reproducibility  0.9 %FS  Rep  | Note on operating and pilot medium                   | Lubricated operation not possible                                  |
| CE mark (see declaration of conformity)  IT OEU EMC Directive In accordance with EU ROHS Directive IN CAC marking (see declaration of conformity)  IT OEW INSTITUCTIONS OF EMC TO UK ROHS Instructions  Certificate Issuing authority  UL E323346  Corrision resistance  Shock resistance  Shock test with severity level 2 to FN 942017-5 and EN 60068-2-6  Corrosion resistance class CRC  2 - Moderate corrosion stress  Clarosion feelstance class CRC  2 - Moderate corrosion stress  Clarosion dass  Class 4 according to ISO 14644-1  Suitable for use with food  See supplementary material information  Media temperature  0 °C50 °C  Degree of protection  Ple55  Poblitution degre  2 - Ambient temperature  0 °C50 °C  Climatic category  3 K3 as per EN 60721  Relative air humidity  0 - 85% Non-condensing  Nominal altitude of use  Instructions on use  The product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas.  Sound power level at a distance of 1 m  5 1.9 dB(A)  Product weight  170 g  Linearity  0.4 %FS  Reproducibility  0.2 %/K  Electrical connection 1, function  Actual value output  Security Supply  Plugs  Electrical connection 1, connection system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, unimber of connections/cores  5 Electrical connection 1, tightening torque  Via through-hole for M4 screw  With H-rall  | Approval   |  |
| In accordance with EU ROHS Directive  UNCA marking (see declaration of conformity)  UNCA marking (see declaration of conformity)  UL E322346  Vibration resistance  Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6  Shock resistance  Shock test with severity level 2 to FN 942017-5 and EN 60068-2-7  Corrosion resistance class CRC  2 - Moderate corrosion stress  Corrosion resistance class CRC  2 - Moderate corrosion stress  Class 4 according to ISO 14644-1  See supplementary material information  Media temperature  0 °C50 °C  Degree of protection  IP65  Pollution degree  2 - Mabient temperature  0 °C50 °C  Storage temperature  1 - 20 °C70 °C  Climatic category  3K3 as per EN 60721  Relative air humidity  Non-condensing  | KC mark  | KC-EMV   |
| To UK RoHS instructions  Certificate issuing authority  UL 522346  Shock resistance  Shock resistance  Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27  Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Clean committed to See supplementary material information  Media temperature  0 °C50 °C  Degree of protection  IP65  Degree of protection  IP65  Pollution degree  2 - Ambient temperature  0 °C50 °C  Climatic category  3K3 as per EN 60721  Climatic category  3K3 as per EN 60721  Roll thing of use with food  8 - 85%  Non-condensing  Nominal altitude of use  1 - 3000 m NHN  Instructions on use  The product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas.  Sound power level  5000 power level  5000 power level  5000 power level  5000 power level  51.9 dB(A)  Product weight  Linearity  0.9 %FS  Reproduct bility  1.11 %FS  Temperature coefficient  Electrical connection 1, function  2 coefficient  Clicatic connection 1, function  Power supply  Electrical connection 1, connection type  Electrical connection 1, unmber of connections/cores  5 Electrical connection 1, unmber of connections/cores  5 Electrical connection 1, tilghtening torque  Type of mounting  Via through-hole for M4 screw  With H-rall  Via through-hole for M4 screw  With H-rall   | CE mark (see declaration of conformity)              |  |
| Vibration resistance Shock sets with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 2 - Moderate corrosion stress Class CRC LABS (PMIS) conformity VDMA24364-81/82-L Cleanroom class Class 4 according to ISO 14644-1 Suitable for use with food See supplementary material information Media temperature 0 °C50 °C Degree of protection Ple65 Pollution degree 2 Ambient temperature 0 °C50 °C Storage temperature 20 °C70 °C Climatic category 3/3 as per EN 60721 Relative air humidity Non-condensing Nominal altitude of use Instructions on use The product is suitable for industrial purposes only, Measures to ellminate radio interference may be required in residential areas. Sound power level Sound power level 62.5 dB(A) Sound power level 62.5 dB(A) Froduct weight 370 g Linearity 0.9 %FS Linearity 0.9 %FS Reproducibility Class 4 according to ISO 14644-1 Suitable To ISO 1464-1 Suitable To ISO 14644-1 Suitable To ISO 1464-1 Suitable To ISO 14644-1 Suitable To ISO 1464-1 Suita   | UKCA marking (see declaration of conformity)         |  |
| Shock resistance  Shock test with severity level 2 to 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  Suitable for use with food  See supplementary material information  Media temperature  0 °C50 °C  Degree of protection  IP65  Pollution degree  2 Ambient temperature  0 °C50 °C  Storage temperature  1 20 °C70 °C  Climatic category  Relative air humidity  1 0 - 85%  Non-condensing  Nominal altitude of use  Instructions on use  The product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas.  Sound power level  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  370 g  Linearity  0.9 %F5  Reproductibility  0.4 %F5  Reproductibility  0.4 %F5  Reproductibility  0.4 %F5  Temperature cooefficient  Electrical connection 1, function  Electrical connection 1, unmber of connections/cores  5 Electrical connection 1, unmber of connections/cores  5 Electrical connection 1, tightening torque  Type of mounting  Via through-hole for M4 screw  With H-rail  Via through-hole for M4 screw  With H-rail  | Certificate issuing authority                        | UL E322346   |
| Corrosion resistance class CRC  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Cleanroom class  Class 4 according to ISO 14644-1  Suitable for use with food  See supplementary material information  Media temperature  0 °C50 °C  Degree of protection  IP65  Pollution degree  2 - C70 °C  Climatic category  Relative air humidity  0 - 8.5%  Non-condensing  Nominal altitude of use  instructions on use  The product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas.  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  1370 g  Linearity  10.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.5 %/K  Electrical connection 1, function  Actual value output  Set point input  Power supply  Electrical connection 1, connection type  Electrical connection 1, number of connections/cores  5 Electrical connection 1, unmber of connections/cores  5 Electrical connection 1, tijthening torque  Type of mounting  Via through-hole for M4 screw  With H-rail  | Vibration resistance                                 |  |
| LABS (PWIS) conformity  Cleanroom class  Class 4 according to ISO 14644-1  Suitable for use with food  See supplementary material information  Media temperature  O °C50 °C  Degree of protection  IP65  Pollution degree  2  Ambient temperature  O °C50 °C  Storage temperature  O °C50 °C  OC50 °C   | Shock resistance                                     | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27  |
| Class 4 according to ISO 14644-1  Suitable for use with food  See supplementary material information  Media temperature  0 °C50 °C  Degree of protection  Pollution degree  2 2  Ambient temperature  0 °C50 °C  Storage temperature  0 °C50 °C  Climatic category  3K3 as per EN 60721  Relative air humidity  Non-condensing  Nominal altitude of use  - 3000 m NHN  Instructions on use  The product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas.  Sound power level  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  370 g  Linearity  0.9 %F5  1.19 eFS  Reproducibility  0.4 %F5  Reproducibility  0.4 %F5  Reproducibility  0.4 %F5  Temperature coefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque  Via through-hole for M4 screw  With H-rail  | Corrosion resistance class CRC                       | 2 - Moderate corrosion stress                                      |
| See supplementary material information  Media temperature  0 °C50 °C  Degree of protection  Pollution degree  2 Ambient temperature  0 °C50 °C  Storage temperature  0 °C50 °C  Climatic category  3K3 as per EN 60721  Relative air humidity  0 - 85%  Non-condensing  Nominal altitude of use  1 structions on use  The product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas.  Sound power level  Sound power level at a distance of 1 m  51.9 dB(A)  Product weight  Linearity  0.9 %FS  Reproducibility  0.4 %FS  Reproducibility  0.4 %FS  Reproducibility  0.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque  1.5 Nm  Via through-hole for M4 screw  With H-rail  | LABS (PWIS) conformity                               | VDMA24364-B1/B2-L  |
| Media temperature  Degree of protection  Pollution degree  2 Ambient temperature  0 °C50 °C  Storage temperature  20 °C70 °C  Climatic category  Relative air humidity  0 - 85%  Non-condensing  Nominal altitude of use  1structions on use  The product is suitable for industrial purposes only, Measures to eliminate radio interference 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  370 g  Linearity  0.9 %FS  Heysteresis  0.4 %FS  Reproducibility  0.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  0.02 %/K  Actual value output Setpoint input Power supply  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque  Type of mounting  With H-rail  Via through-hole for M4 screw With H-rail  | Cleanroom class                                      | Class 4 according to ISO 14644-1                                   |
| Degree of protection IP65  Pollution degree 2  Ambient temperature 0°C50°C  Storage temperature -20°C70°C  Climatic category 3K3 as per EN 60721  Relative air humidity 0°85% Non-condensing  Nominal altitude of use 3000 m NHN  Instructions on use The product is suitable for industrial purposes only. Measures to eliminate radio interference 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 370 g  Linearity 0.9 %FS  Reproducibility 0.4 %FS  Reproducibility 0.4 %FS  Temperature cooefficient 0.0.2 %/K  Electrical connection 1, function Actual value output Setpoint input Power supply  Electrical connection 1, connector system M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores 5  Electrical connection 1, tightening torque Via through-hole for M4 screw  With H-rail  | Suitable for use with food                           | See supplementary material information                             |
| Pollution degree 2 Ambient temperature 0 °C50 °C Storage temperature -20 °C70 °C Climatic category 3X3 as per EN 60721 Relative air humidity 0.85% Non-condensing Nominal altitude of use <3000 m NHN Instructions on use The product is suitable for industrial purposes only. Measures to eliminate radio interference 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 370 g Linearity 0.9 %FS Hysteresis 0.4 %FS Reproducibility 0.4 %FS Reproducibility 0.4 %FS Total accuracy 1.1 %F5 Total accuracy 1.1 %F5 Temperature cooefficient 0.0.2 %/K Electrical connection 1, function Set you have required in residential areas.  Electrical connection 1, connector system M12x1, A-coded to EN 61076-2-101 Electrical connection 1, number of connections/cores 5 Electrical connection 1, tightening torque Via through-hole for M4 screw With H-rail   | Media temperature                                    | 0 °C50 °C  |
| Ambient temperature    0 °C50 °C  | Degree of protection                                 | IP65   |
| Storage temperature  -20 °C70 °C  Climatic category  3K3 as per EN 60721  0 · 85% Non-condensing  Nominal altitude of use  -3000 m NHM  Instructions on use  The product is suitable for industrial purposes only. Measures to eliminate radio interference 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  370 g  Linearity  0.9 %FS  Reproducibility  0.4 %FS  Reproducibility  0.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  Electrical connection 1, function  Electrical connection 1, function  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque  Type of mounting  Via through-hole for M4 screw  With H-rail  | Pollution degree                                     | 2  |
| Climatic category  Relative air humidity  0 · 85% Non-condensing  Nominal altitude of use  <3000 m NHN  The product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas.  Sound power level  50und power level at a distance of 1 m  51.9 dB(A)  Product weight  370 g  Linearity  0.9 %FS  Reproducibility  0.4 %FS  Reproducibility  0.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  Via through-hole for M4 screw With H-rail  | Ambient temperature                                  | 0 ℃50 ℃  |
| Relative air humidity  0 - 85% Non-condensing  Nominal altitude of use  <3000 m NHN  The product is suitable for industrial purposes only. Measures to eliminate radio interference 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  370 g  Linearity  0.9 %FS  Reproducibility  0.4 %FS  Reproducibility  0.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  Via through-hole for M4 screw With H-rail   | Storage temperature                                  | -20 ℃70 ℃  |
| Non-condensing  Nominal altitude of use  - 3000 m NHN  The product is suitable for industrial purposes only. Measures to eliminate radio interference 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  370 g  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  Via through-hole for M4 screw With H-rail  | Climatic category                                    | 3K3 as per EN 60721  |
| The product is suitable for industrial purposes only. Measures to eliminate radio interference 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 370 g  Linearity 0.9 %FS  Hysteresis 0.4 %FS  Reproducibility 0.4 %FS  Total accuracy 1.1%FS  Temperature cooefficient 0.02 %/K  Electrical connection 1, function Actual value output Setpoint input Power supply  Electrical connection 1, connector system M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque Type of mounting With H-rail   | Relative air humidity                                |  |
| eliminate radio interference 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 370 g  Linearity 0.9 %FS Hysteresis 0.4 %FS  Reproducibility 0.4 %FS  Total accuracy 1.1%FS  Temperature cooefficient 0.02 %/K  Electrical connection 1, function Actual value output Setpoint input Power supply  Electrical connection 1, connection type Electrical connection 1, connector system M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque 1.5 Nm  Type of mounting Via through-hole for M4 screw With H-rail   | Nominal altitude of use                              | < 3000 m NHN   |
| Sound power level at a distance of 1 m  51.9 dB(A)  370 g  Linearity  0.9 %FS  Hysteresis  0.4 %FS  Reproducibility  0.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque  Type of mounting  Via through-hole for M4 screw With H-rail  | Instructions on use                                  | eliminate radio interference may be required in residential areas. |
| Product weight 370 g  Linearity 0.9 %FS  Hysteresis 0.4 %FS  Reproducibility 0.4 %FS  Total accuracy 1.1%FS  Temperature cooefficient 0.02 %/K  Electrical connection 1, function Actual value output Setpoint input Power supply  Electrical connection 1, connector system M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores 5  Electrical connection 1, tightening torque 1.5 Nm  Type of mounting Via through-hole for M4 screw With H-rail  | Sound power level                                    | 62.5 dB(A)   |
| Linearity  O.9 %FS  Hysteresis  O.4 %FS  Reproducibility  O.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  O.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connection type  Plugs  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  Via through-hole for M4 screw With H-rail  | Sound power level at a distance of 1 m               |  |
| Hysteresis  Reproducibility  O.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  O.02 %/K  Electrical connection 1, function  Electrical connection 1, connection type  Electrical connection 1, connector system  Electrical connection 1, number of connections/cores  Electrical connection 1, tightening torque  Type of mounting  O.4 %FS  O.4 %FS  O.4 %FS  O.2 %/K  Actual value output Setpoint input Power supply  Plugs  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  Via through-hole for M4 screw With H-rail   | Product weight                                       | -  |
| Reproducibility  O.4 %FS  Total accuracy  1.1%FS  Temperature cooefficient  O.02 %/K  Electrical connection 1, function  Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores  Electrical connection 1, tightening torque  Type of mounting  Via through-hole for M4 screw With H-rail  | Linearity  |  |
| Total accuracy  1.1%FS  Temperature cooefficient  0.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores  5  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  Via through-hole for M4 screw With H-rail   | Hysteresis   |  |
| Temperature cooefficient  O.02 %/K  Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connection type  Plugs  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  Via through-hole for M4 screw With H-rail   | Reproducibility                                      |  |
| Electrical connection 1, function  Actual value output Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores  5  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  Via through-hole for M4 screw With H-rail   | Total accuracy                                       | <u> </u>   |
| Setpoint input Power supply  Electrical connection 1, connection type  Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores  5  Electrical connection 1, tightening torque  1.5 Nm  Type of mounting  Via through-hole for M4 screw With H-rail  | Temperature cooefficient                             | ·  |
| Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores  5  Electrical connection 1, tightening torque  1.5 Nm  Via through-hole for M4 screw With H-rail   | Electrical connection 1, function                    | Setpoint input   |
| Electrical connection 1, connector system  M12x1, A-coded to EN 61076-2-101  Electrical connection 1, number of connections/cores  5  Electrical connection 1, tightening torque  1.5 Nm  Via through-hole for M4 screw With H-rail   | Electrical connection 1, connection type             |  |
| Electrical connection 1, number of connections/cores 5  Electrical connection 1, tightening torque 1.5 Nm  Type of mounting Via through-hole for M4 screw With H-rail   | Electrical connection 1, connector system            | M12x1, A-coded to EN 61076-2-101                                   |
| Type of mounting  Via through-hole for M4 screw  With H-rail  | Electrical connection 1, number of connections/cores | 5  |
| Type of mounting  Via through-hole for M4 screw  With H-rail  | Electrical connection 1, tightening torque           | 1.5 Nm   |
| Pneumatic connection, port 1 G1/8   | Type of mounting                                     |  |
|   | Pneumatic connection, port 1                         | G1/8   |

| Feature                            | Value          |
|------------------------------------|----------------|
| Pneumatic connection, port 2       | G1/8           |
| Pneumatic connection, port 3       | G1/8           |
| Max. tightening torque for fitting | 8.5 Nm         |
| Note on materials                  | RoHS-compliant |
| Material housing                   | PA-reinforced  |
| Material seals                     | HNBR<br>PTFE   |