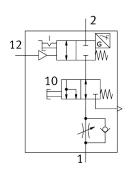
Shut-off valve VBOC-L2-E-S7-P-M8-G38-E Part number: 8177466

FESTO





Data sheet

Feature	Value
Valve function	2/2, closed, monostable
Selection of additional function	Exhaust air flow control non-return function
Pneumatic connection 1	G3/8
Pneumatic connection 2	G3/8
Actuation type	Pneumatic
Type of mounting	Screw-in With external thread
Nominal flow rate in flow control direction standardized according to ISO 8778	430 l/min
Nominal flow rate in non-return direction standardized according to ISO 8778	640 l/min730 l/min
Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi) to ISO 8778	670 l/min
Standard flow rate in non-return direction at 0.6->0 MPa (6->0 bar, 87->0 psi) to ISO 8778	1080 l/min1250 l/min
Operating pressure	0.05 MPa1 MPa 0.5 bar10 bar
Ambient temperature	-5 °C60 °C
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Mounting position	Any
Selection of additional function 2	Manual exhaust
Special features	Resistant to welding spatter
Type of seal on screwed plug	Sealing ring
Manual override	Detenting
Reset method	Mechanical spring
Pilot air supply port	External

Measuring principle Moutative Moutability Sold degrantinuous swiveling not permissible Sensor reverse polarity protection Note on forced dynamization Switching position sensing Normal position with sensor Switching position sensing Normal position with sensor Switched pressure O.05 MPa.U. 20 MPa Switched pressure O.05 MPa.U. 20 MPa Pilot pressure O.06 MPa O.06 MPa Pilot pressure O.07 MPa.J. MPa Pilot pressure I bar. 10 bar Pilot pressure I bar. 10 bar Pilot pressure psi Switching position with sensor Switching position with sensor O.06 MPa O.07 MPa.J. MPa O.08 MPa O.08 MPa O.08 MPa O.09 M	Feature	Value
Switching element function Note on forced dynamization Sorte on this issue can be found in Technical Report V Sortiching position sensing Sortiching position sensing Sortiching position on this issue can be found in Technical Report V Sortiching position on this issue can be found in Technical Report V Sortiching On the Sortic MPR Principle of the Sortic MPR Principle on the Sortic MPR Principle of the Sortic MPR Principle of the Sortic MPR Sortiching output Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2. Moderatic corrosion stress VDMA24366 zone III Sortic MPR Sortic MPR Sortic MPR Temperature of medium 1. Sortic MPR Temperature of medium Tolerance for nominal lightening torque 13. Nm Tolerance for nominal lightening torque 2.0% Permissible actuation moment, adjusting screw 7. S. Nm Product weight 20.9 g Documenting voltage range 10. V., 30 V. Sortic Sortic Grant Sorti	Manual exhaust function	Non-detenting
Rotatability Sensor reverse polarity protection Sensor reverse polarity protection Sensor reverse polarity protection Current information on this issue can be found in Technical Report V Switch on pressure O.05 MPaO.2 MPa Switch on pressure O.05 MPaO.3 MPa Switch on pressure O.05 MPaO.3 MPa Switch on pressure O.04 MPa Plot pressure O.04 MPa Plot pressure MPa Plot pressure Plot pressure 1 bar10 bar Plot pressure plot switch on pressure 1 bar10 bar Plot pressure plot switch on pressure 1 bar10 bar Plot pressure plot switching time atf On switching time On switching	Measuring principle	Inductive
Sensor reverse polarity protection Note on forced dynamization Note on this issue can be found in Technical Report V Note of pressure Note of pressure Note of forced on this sensor Note of forced dynamization Note of force of forced dynamization Note of	Switching element function	N/C contact
Note on forced dynamization Current information on this issue can be found in Technical Report V Switching position sensing Normal position with sensor Switch-of pressure 0.05 MPa0.2 MPa Switch-on pressure 0.15 MPa0.4 MPa Pliot pressure Pa 0.04 MPa Pliot pressure Pa 1 bar10 bar Pliot pressure psi Switching time off 25 m5 On switching time off 0.8 witching time off 0.9 year on switching time on year on switching time on year of year	Rotatability	360 deg/continuous swiveling not permissible
Switching position sensing Normal position with sensor O.05 MPaO.2 MPa O.15 MPaO.2 MPa Pneumatic off range O.04 MPa O.16 MPa1 MPa Pilot pressure 1 bar10 bar Pilot pressure yellor pressure have been such as the position with sensor O.16 MPa1 MPa Pilot pressure yellor pressure yellor y	Sensor reverse polarity protection	For all electrical connections
Switch-off pressure 0.05 MPa0.2 MPa Switch-off pressure 0.15 MPa0.4 MPa Pilot pressure MPa 10.17 MPa0 MPa Pilot pressure MPa 11 bar10 bar Pilot pressure pilot pressure in the properties of the prop	Note on forced dynamization	Current information on this issue can be found in Technical Report V
Switch-on pressure Pictor pressure MPa O.15 MPa0.4 MPa Pictor pressure MPa O.1 MPa1 MPa Pilot pressure with a continuation of the processor of the proces	Switching position sensing	Normal position with sensor
Preumatic off range D.0.4 MPa	Switch-off pressure	0.05 MPa0.2 MPa
Pilot pressure MPa 1 har10 har Pilot pressure psi 1 har10 har 1 har10 har 1 har10 har Pilot pressure psi 3 yes145 psi Switching time off 2 yes. On switching time 10 ms Nominal operating voltage DC Switching output PNP Information on operating and pilot media Corrosion resistance class (CRC) Alass (PWI) Southordowniy VDMA23464 you till Suitability for the production of Li-ion batteries Suitability for the production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu2/2n/Ni Suitability for the production fleatone in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu2/2n/Ni International Internation of Li-ion batteries Suitability for the production fleatone in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu2/2n/Ni International internation fleatone of Suitability for the production of Li-ion fleatone in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu2/2n/Ni International Internation fleatone in accordance with	Switch-on pressure	0.15 MPa0.4 MPa
Pilot pressure pilot	Pneumatic off range	0.04 MPa
Pilot pressure psi	Pilot pressure MPa	0.1 MPa1 MPa
Switching time off On switching time 10 ms Nominal operating voltage DC Switching output PNP Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress CABS (PWIS) conformity VDMA24364 zone III Suitability for the production of Li-ion batteries Suitabile for battery production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni Femperature of medium Sominal tightening torque 13 Nm Compressed air as per ISO 8573-1:2010 [7:4:4] Nominal tightening torque 13 Nm Product weight Cospressable actuation moment, adjusting screw 2.5 Nm Product weight Do sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor short circuit protection yes Sensor short circuit protection yes Sensor voltage drop 3 V Electrical connection 1, function Sensor voltage drop 3 V Electrical connection 1, function Selectrical connection 1, connection type Electrical connection 1, connection the policy wires Electrical connection 1, connection the policy wires 3 Electrical connection 1, connection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, connection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, connection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, connection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, connection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, with protection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, with protection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, with protection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, with protection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, with protection the hology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, with protection the hology Max	Pilot pressure	1 bar10 bar
On switching time 10 ms Nominal to perating voltage DC 24 V Switching output Information on operating and pilot media Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) 1 Ambourd of the production of Li-lon batteries Suitable for battery production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni Temperature of medium 1 5° C60 °C Pilot medium Compressed air as per ISO 8573·1:2010 [7:4:4] Nominal tightening torque 1 3 N Tolerance for nominal tightening torque 2 20% Permissible actuation moment, adjusting screw 2.5 Nm Product weight 20 9 g Cosensor operating woltage range 10 V30 V Sensor short circuit protection yes Sensor short circuit protection yes Sensor idle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, connection technology Max1 A-coded as per EN 61076-2-104 Blectrical connection 1, connection technology Max1 A-coded as per EN 61076-2-104 Was an advantaged to the sheath Now of the subratival Wrought aluminum alloy Material of cable sheath PVC Mought aluminum alloy Material of adjusting screw High-alloy stainless steel Wrought aluminum alloy High-alloy stainless steel	Pilot pressure psi	14.5 psi145 psi
On switching time 10 ms Nominal to perating voltage DC 24 V Switching output Information on operating and pilot media Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) 1 Ambourd of the production of Li-lon batteries Suitable for battery production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni Temperature of medium 1 5° C60 °C Pilot medium Compressed air as per ISO 8573·1:2010 [7:4:4] Nominal tightening torque 1 3 N Tolerance for nominal tightening torque 2 20% Permissible actuation moment, adjusting screw 2.5 Nm Product weight 20 9 g Cosensor operating woltage range 10 V30 V Sensor short circuit protection yes Sensor short circuit protection yes Sensor idle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, connection technology Max1 A-coded as per EN 61076-2-104 Blectrical connection 1, connection technology Max1 A-coded as per EN 61076-2-104 Was an advantaged to the sheath Now of the subratival Wrought aluminum alloy Material of cable sheath PVC Mought aluminum alloy Material of adjusting screw High-alloy stainless steel Wrought aluminum alloy High-alloy stainless steel	Switching time off	25 ms
Nominal operating voltage DC Switching output PNP Information on operating and pilot media Operation with oil lubrication possible (required for further use) 2 - Moderate corrosion stress Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364 zone III Suitability for the production of Li-ion batteries Suitabile for battery production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of CU/Zn/Ni Temperature of medium 5 ° C 60 ° C Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Nominal tightening torque 13 Nm Tolerance for nominal tightening torque 2 20% Permissible actuation moment, adjusting screw 2.5 Nm Product weight 209 g DC sensor operating voltage range 10 V 30 V Sensor short circuit protection Sensor voltage drop 3 V Electrical connection 1, function Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology MBX1 A-coded as per EN 61076-2-104 Electrical connection 1, connection type Electrical connection 1, connection technology MBX1 A-coded as per EN 61076-2-104 Electrical connection 1, connection type Electrical connection 1, connection technology MBX1 A-coded as per EN 61076-2-104 Electrical connection 1, connection type Elect		10 ms
Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress VDMA24364 zone III Suitability for the production of Li-ion batteries Suitability for the production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni Temperature of medium -5 °C60 °C Compressed air as per ISO 8573-1:2010 [7:4:4] 13 Nm Tolerance for nominal tightening torque 12 Nm Tolerance for nominal tightening torque 2.5 Nm Product weight 209 g DC sensor operating voltage range 10 V30 V Sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor idle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Selectrical connection 1, function Switching output Electrical connection 1, connection type Cable with plug Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 Note on material HNBR NBR NBR NBR NBR NBR NBR NBR NBR NBR	Nominal operating voltage DC	24 V
Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364 zone III Suitability for the production of Li-ion batteries Suitability for the production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:4] Nominal tightening torque 13 Nm Tolerance for nominal tightening torque 2-20% Permissible actuation moment, adjusting screw 2-5 Nm Product weight 2-09 g DC sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor short circuit protection yes Sensor idle current 10 mA Max. output current, sensor 2-00 mA Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology Max 1-coded as per EN 61076-2-104 Electrical connection 1, connection technology Max 1-coded as per EN 61076-2-104 Electrical connection 1, occupied pins/wires 3 Cable length HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material High-alloy stainless steel	Switching output	PNP
LABS (PWIS) conformity VDMA24364 zone III Suitability for the production of Li-ion batteries Suitable for battery production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of CU/Zn/Ni Temperature of medium -5 °C60 °C Pilot medium Nominal tightening torque 13 Nm Tolerance for nominal tightening torque 2 20% Permissible actuation moment, adjusting screw 2.5 Nm Product weight Do sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor short circuit protection Sensor sidle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length Note on material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of adjusting screw Swivel joint material Wrought aluminum alloy Material of adjusting screw Swivel joint material Wrought aluminum alloy High-alloy stainless steel	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Suitability for the production of Li-ion batteries Suitability for the production of Li-ion batteries Suitability for the production in accordance with Festo's internal definition in degree of severity F1A with restrictions regarding the use of CU/Zn/Ni Temperature of medium -5 °C60 °C Compressed air as per ISO 8573-1:2010 [7:4:4] Nominal tightening torque 13 Nm Tolerance for nominal tightening torque 2 20% Permissible actuation moment, adjusting screw 2.5 Nm Product weight 209 g DC sensor operating voltage range 10 V30 V Sensor short circuit protection Yes Sensor wholt current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Cable length 10 3 m Pilot air port 12 Note on materials RoH5-compliant HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
definition in degree of severity F1A with restrictions regarding the use of Cu/zn/Ni Temperature of medium -5 °C60 °C Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Nominal tightening torque 13 Nm Tolerance for nominal tightening torque 2 20% Permissible actuation moment, adjusting screw 2.5 Nm Product weight DC sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor short circuit protection yes Sensor short circuit protection Wax. output current, sensor 200 mA Sensor voltage drop Electrical connection 1, function Switching output Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, Decupied pins/wires 3 Electrical connection 1, Pumber of pins/wires 3 Electrical connection 1, Wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, Occupied pins/wires 3 Electrical connection 1, Occupied pins/wires 3 BNB FIPE-U(PU) HOllow bolt material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Wrought aluminum alloy High-alloy stainless steel	LABS (PWIS) conformity	VDMA24364 zone III
Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4] Nominal tightening torque 13 Nm Tolerance for nominal tightening torque ± 20% Permissible actuation moment, adjusting screw 2.5 Nm Product weight 209 g DC sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor short circuit protection yes Sensor short circuit protection 3 V Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, function Switching output Electrical connection 1, connection tethnology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 G1/8 Note on material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel	Suitability for the production of Li-ion batteries	definition in degree of severity F1A with restrictions regarding the use of
Nominal tightening torque 13 Nm Tolerance for nominal tightening torque ± 20% Permissible actuation moment, adjusting screw 2.5 Nm Product weight 209 g DC sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor short circuit protection Sensor idle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology M8x1A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 G1/8 Note on materials RoHS-compliant HNBR NBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy High-alloy stainless steel	Temperature of medium	-5 °C60 °C
Tolerance for nominal tightening torque ± 20% Permissible actuation moment, adjusting screw 2.5 Nm Product weight 209 g DC sensor operating voltage range 10 V30 V Sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor idle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, connection type Cable with plug Electrical connection 1, connection type M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 G1/8 Note on materials RoHS-compliant Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy High-alloy stainless steel	Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Permissible actuation moment, adjusting screw Product weight 209 g DC sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor idle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology Max1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, where of pins wires 3 Electrical connection 1, where wires 4 Electrical connection 1, where wire	Nominal tightening torque	13 Nm
Product weight 209 g DC sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor idle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 G1/8 Note on materials RoHS-compliant Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Krurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material High-alloy stainless steel	Tolerance for nominal tightening torque	± 20%
DC sensor operating voltage range 10 V30 V Sensor short circuit protection yes Sensor idle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, connection type Cable with plug Electrical connection 1, connection type Electrical connection 1, number of pins/wires 3 Electrical connection 1, number of pins/wires 3 Belectrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 Note on materials RoHS-compliant Seals material HNBR NBR TPE-U(PU) Hollow bolt material Mrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Wrought aluminum alloy High-alloy stainless steel	Permissible actuation moment, adjusting screw	2.5 Nm
Sensor short circuit protection Sensor idle current 10 mA Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 Go 1/8 Note on materials RoHS-compliant HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Wrought aluminum alloy	Product weight	209 g
Sensor idle current Max. output current, sensor 200 mA Sensor voltage drop 3 V Electrical connection 1, function Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length Pilot air port 12 Note on materials RoHS-compliant Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy High-alloy stainless steel	DC sensor operating voltage range	10 V30 V
Max. output current, sensor Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 Note on materials RoHS-compliant Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material High-alloy stainless steel	Sensor short circuit protection	yes
Sensor voltage drop 3 V Electrical connection 1, function Switching output Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 G1/8 Note on materials RoHS-compliant Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy Sensor holder material High-alloy stainless steel	Sensor idle current	10 mA
Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 Gol/8 Note on materials RoHS-compliant Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy Sensor holder material High-alloy stainless steel	Max. output current, sensor	200 mA
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, occupied pins/wires Electrical connection 1, occupied pins/wires Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 G1/8 Note on materials RoHS-compliant Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy Sensor holder material High-alloy stainless steel	Sensor voltage drop	3 V
Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires 3 Cable length O.3 m Filot air port 12 G1/8 Note on materials RoHS-compliant HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material High-alloy stainless steel High-alloy stainless steel	Electrical connection 1, function	Switching output
Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires 3 Cable length 0.3 m Pilot air port 12 Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of adjusting screw Material of adjusting screw Sensor holder material High-alloy stainless steel Wrought aluminum alloy Mrought aluminum alloy High-alloy stainless steel High-alloy stainless steel	Electrical connection 1, connection type	Cable with plug
Electrical connection 1, occupied pins/wires Cable length O.3 m Pilot air port 12 G1/8 Note on materials RoHS-compliant Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy High-alloy stainless steel High-alloy stainless steel	Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Cable length Pilot air port 12 Seals material Fellow bolt material Material of cable sheath Found mut material Mote on undersial Mote on material Wrought aluminum alloy Material of adjusting screw Migh-alloy stainless steel Swivel joint material Wrought aluminum alloy Migh-alloy stainless steel Migh-alloy stainless steel High-alloy stainless steel High-alloy stainless steel	Electrical connection 1, number of pins/wires	3
Pilot air port 12 Note on materials Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material High-alloy stainless steel High-alloy stainless steel	Electrical connection 1, occupied pins/wires	3
Note on materials Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy High-alloy stainless steel High-alloy stainless steel	Cable length	0.3 m
Seals material HNBR NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy High-alloy stainless steel High-alloy stainless steel	Pilot air port 12	G1/8
NBR TPE-U(PU) Hollow bolt material Wrought aluminum alloy Material of cable sheath PVC Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy Sensor holder material High-alloy stainless steel	Note on materials	RoHS-compliant
Material of cable sheath PVC Knurled nut material Mrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy High-alloy stainless steel High-alloy stainless steel	Seals material	NBR
Knurled nut material Wrought aluminum alloy Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy Sensor holder material High-alloy stainless steel	Hollow bolt material	Wrought aluminum alloy
Material of adjusting screw High-alloy stainless steel Swivel joint material Wrought aluminum alloy Sensor holder material High-alloy stainless steel	Material of cable sheath	PVC
Swivel joint material Wrought aluminum alloy Sensor holder material High-alloy stainless steel	Knurled nut material	Wrought aluminum alloy
Swivel joint material Wrought aluminum alloy Sensor holder material High-alloy stainless steel	Material of adjusting screw	High-alloy stainless steel
Sensor holder material High-alloy stainless steel	Swivel joint material	Wrought aluminum alloy
	Sensor holder material	High-alloy stainless steel
	Locking nut material	high-alloy stainless steel