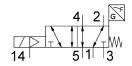
Solenoid valve VSVA-B-M52-MZ-A1-1C1-ANC

FESTO

Part number: 560744





Data sheet

Feature	Value	
Valve function	5/2-way, monostable	
Type of actuation	Electric	
Construction width	26 mm	
Standard nominal flow rate (standardised to DIN 1343)	1100 l/min	
pneumatic working port	Sub-base size 26 mm to ISO 15407-1 Sub-base size 01 to VDMA 24563 G1/4	
Operating voltage	24V DC	
Operating pressure	-0.09 MPa1.6 MPa -0.9 bar16 bar	
Design	Piston gate valve	
Type of reset	Mechanical spring	
Approval	C-Tick c UL us - Recognized (OL)	
KC mark	KC-EMV	
CE mark (see declaration of conformity)	To EU EMC Directive	
Certificate issuing authority	UL MH19482	
UKCA marking (see declaration of conformity)	To UK instructions for EMC	
Degree of protection	IP65 NEMA 4	
Nominal size	9 mm	
Exhaust-air function	With flow control option Via throttle plate Via individual sub-base	
Sealing principle	Soft	
Mounting position	optional	
Conforms to standard	ISO 15407-1 VDMA 24563	
Manual override	Covered	
Type of piloting	Pilot actuated	
Pilot air supply	External	
Flow direction	optional	
Measuring principle	Inductive	
lap	Overlap	

Reverse polarity protection sensors Soutching postion saming Normal position via sensor Switching postion saming Normal position via sensor Switching postion saming Normal position via sensor LED High pressure Q, MPA1 MPa Q, bar10 bar How rate of valve 1100 (Imin How rate of valve on individual sub-base 1100 (Imin How rate of preumatically interlined valve 1100 (Imin Switching time on Valve - sensor switching time off 11 ms University of the sensor switching time on Valve - sensor switching time on Valve - sensor switching time on Valve - sensor switching time off 11 ms University of the sensor switching time off Normal postility test pulse with a signal 1800 µs Nax. postility test pulse with a signal 1800 µs Nax. postility test pulse with a signal Nax. postility test pulse with a signal 1800 µs Nax. postility test pulse with a signal 1800 µs Normal postality or test pulse with a signal Nax. postility test pulse with a signal 1800 µs Normal postality or test pulse with a signal Nax. postility test pulse with a signal Nax. postili	Feature	Value
Switching status display sensor IED	Reverse polarity protection sensor	For all electrical connections
Switching status display sensor	Signal status display	With accessories
Pilot pressure 0.3 MPa., 1 MPa	Switching position sensing	Normal position via sensor
Sam. 10 bar	Switching status display sensor	LED
Flow rate of valve	Pilot pressure	
Flow rate of valve on individual sub-base 1100 l/min	Flow rate of valve	
Flow rate of pneumatically intertified valve Switching time of 4 time 5 witching time of 2 time 7 valve - sensor switching time of 10 ms Valve - sensor switching time of 11 ms 10 ms Walve - sensor switching time off 11 ms 10 ms Walve - sensor switching time off 11 ms 10 ms Walve - sensor switching time off 11 ms 10 ms Walve - sensor switching time off 11 ms Walve - sensor switching time off 12 ms Walve - sensor switching time off 13 ms Walve - sensor switching time off 14 ms Walve - sensor switching time off 15 ms Walve - sensor switching time off 16 ms Walve - sensor switching time off 18 ms Walve - sensor switching time off 19 ms Walve - sensor switching time off 19 ms Walve - sensor switching time off 24 v Cortal sw Walve - sensor switching time off 24 v DC: 18 W Permissible voltage fluctuations 19 ms Walve - sensor switching time off 24 v DC: 18 W Permissible voltage fluctuations 24 v DC: 18 W Permissible voltage fluctuations 24 v DC: 18 W Permissible voltage fluctuations 25 ms Walve operating possible (in which case lubricated operation will sweeting level 2 to FN 942017-4 and EN 60068-2-27 0 on so cortasion possible (in which case lubricated operation will sweeting level 2 to FN 942017-5 and EN 60068-2-27 0 on so cortasion possible (in which case lubricated operation will sweeting level 2 to FN 942017-5 and EN 60068-2-27 0 on so cortasion stress that sweeting level 2 to FN 942017-5 and EN 60068-2-27 0 on so cortasion stress that sweeting level 2 to FN 942017-5 and EN 60068-2-27 0 on so cortasion stress that sweeting level 2 to FN 942017-5 and EN 60068-2-27 0 on so cortasion stress that sweeting level 2 to FN 942017-5 and EN 6	Flow rate of valve on individual sub-base	
Switching time off Switching time on 21 ms Switching time on 22 ms Switching time on 22 ms Switching time on 23 ms Switching time on 24 ms Switching time off 25 ms Switching time off 26 ms Switching time off 27 ms Switching time off 28 ms Switching time off 29 ms Switching time off 30 ms Switching time off 30 ms Switching switch or signal 300 ms Switching switch Switching switc	Flow rate of pneumatically interlinked valve	
Switching time on 60 ms Valve - sensor switching time on 60 ms Valve - sensor switching time off 11 ms Duty cycle 100% Max. positive test pulse with 0 signal 1800 µs Max. negative test pulse with 0 signal 800 µs Max. negative test pulse with 1 signal 800 µs Naminal operating voltage DC 24 V Switching output NPN Characteristic coil data 24 V DC: 1.8 W Permissible voltage fluctuations 15%/10% Operating medium Compressed air to 150 8573-1;2010 [7:4:4] Note on operating and pilot medium 2 unbricated operating possible (in which case lubricated operation will always be required) Vibration resistance Shock resistance Shock resistance Shock resistance Shock will be sensor 40 o No corrosion stress Corrosion resistance 4188-CRC 0-No corrosion stress LABS (PMS) conformity VDMA2364-81/B2-L Media temperature 5°C50°C Reliative air hundity 0-90% Sound pressure level 88 dSk0/A Ambient temperature 5°C50°C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 32 g Operating voltage range, DC sensor 10 V30 V Short-circut strength sensor 10 mA Max. output current sensor 10 mA Max. output current sensor 200 mA Max. owtput urrent sensor 10 mA Max. owtput urrent sensor 200 mA Max. owtput urrent sensor 10 ma A Max. owtput urrent sensor 200 mA Max. owtput urrent sensor 10 ma A Max. owtput urrent sensor 10 m	Switching time off	
Valve - sensor switching time of 11 ms Valve - sensor switching time off 11 ms Duty cycle 100% Max. positive test pulse with 0 signal 1800 µs Max. negative test pulse with 1 signal 800 µs Nominal operating voltage DC 24 V Switching output NPN Characteristic coll data 24 V DC: 1.8 W Permissible voltage fluctuations 1.5%/1.10% Operating medium Compressed air to 150 8573-1:2010 [7:444] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-26 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA2436-64-18/18/2-1 Media temperature 5°C50°C Relative air humidity 0 - 90% Sound pressure level 85 dk0 Ambient temperature 5°C50°C Max. tightening torque for valve mounting 1.8 Mm22 km	Switching time on	21 ms
Valve - sensor switching time off 11 ms Duty cycle 100% Max. postitive test pulse with 0 signal 1800 µs Max. negative test pulse with 1 signal 800 µs Nominal operating voltage DC 24 V Switching output NPN Characteristic coll data 24 V DC: 1.8 W Permissible voltage fluctuations -15%+10% Operating medium Compressed air to IsO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance 50 ck test with severity level 2 to FN 942017-5 and EN 60068-2-7 Corrosion resistance class CRC 0 - No corrosion stress Corrosion resistance class CRC 0 - No corrosion stress Carbotic resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA2a364-B1/B2-L Media temperature -5°C50 °C Relative air humidity 0 - 90% Sound pressure level 85 dB(A) Ambient temperature -5°C50 °C		60 ms
Max. positive test pulse with 0 signal 800 µs Max. negative test pulse with 1 signal 800 µs Nominal operating voltage DC 24 V Switching output NPN Characteristic coll data 24 V DC: 1.8 W Permissible voltage fluctuations 15%/+10% Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) 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 Conformity VolMaZa364-81/82-1 Media temperature 5°C-50°C Relative air humidity 0.90% Sound pressure level 85 dB(A) Ambient temperature 5°C-50°C Relative air humidity 0.90% Sound pressure level 85 dB(A) Ambient temperature 32 gC-50-50°C Relative air humidity 0.90% Sound pressure level 188 dB(A) Ambient temperature 32 gC-50-50°C Relative air humidity 0.90% Sound pressure level 188 dB(A) Ambient temperature 32 gC-50-50°C Relative air humidity 0.90% Sound pressure level 188 dB(A) Ambient temperature 32 gC-50-50°C Relative air humidity 0.90% Sound pressure level 188 dB(A) Ambient temperature 198 dB(A) Ambient temperature 198 dB(A) Residual ripping voltage range, DC sensor 10 V30 V Derading voltage range, DC sensor 10 V30 V Derading voltage range, DC sensor 10 V30 V Sound pressure sensor 10 V30 V Electrical connection 190 mA Max. output current sensor 1000 mA Max. output current sensor 1000 mA Max. switching frequency sensor 200 mA Product well 200 ma 200 ma Max. switching frequency sensor 200 ma Sensor connection 200 ma 200 ma Max. switching frequency sensor 200 ma Ambient sensor 200 ma 200 ma Max. switching frequency sensor 200 ma Ambient sensor 200 ma 200 ma Max. switching frequency sensor 200		11 ms
Max. negative test pulse with 1 signal Nominal operating voltage DC 2 4 V Switching output NPN Characteristic coil data 2 4 V DC: 1.8 W Permissible voltage fluctuations 1 5%/+10% Operating medium Compressed air to ISO 8573-1:2010 [7:4-4] Note on operating and pilot medium Ubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock testistance Note on operating and pilot medium Vibration resistance Shock resistance Note on operating state of the Shock sets with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Note on operating state of the Shock sets with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance class CRC Note on operating state of the Shock sets with severity level 2 to FN 942017-5 and EN 60068-2-7 Corrosion resistance class CRC Note on operating state of the Shock sets with severity level 2 to FN 942017-5 and EN 60068-2-7 Corrosion resistance class CRC Note on operating state of the Shock sets with severity level 2 to FN 942017-4 and EN 60068-2-7 Corrosion resistance class CRC Note on operating state of the Shock set with severity level 2 to FN 942017-4 and EN 60068-2-7 Corrosion resistance class CRC Note of Shock set with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC Note of Shock set with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock set with severity level 2 to FN 942017-6 and EN 60068-2-26 Conscional set with severity level 2 to FN 942017-6 and EN 60068-2-26 Corrosion resistance Shock set with severity level 2 to FN 942017-6 and EN 60068-2-26 Corrosion resistance Shock set with severity level 2 to FN 942017-6 and EN 60068-2-26 Corrosion resistance Shock set with severity level 2 to FN 942017-6 and EN 60068-2-26 Corrosion resistance Shock set with severity level 2 to FN 942017-6 Corrosion resistance Shock set with severity level 2	Duty cycle	100%
Nominal operating voltage DC Switching output NPN NPN Characteristic coll data 24 V DC: 1.8 W Permissible voltage fluctuations Operating medium Note on operating and pilot medium Wibration 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 dass CRC O - No corrosion stress LABS (PWIS) conformity Wibration resistance as the wide are in wi	Max. positive test pulse with 0 signal	1800 μs
Switching output Characteristic coil data 2 a V DC: 1.8 W Permissible voltage fluctuations Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance On No corrosion resistance class CRC On No corrosion resistance class CRC On No corrosion resistance LABS (PWIS) conformity VDMA24364-B1/82-L Media temperature Shock resistance On No corrosion resistance Shock resistance Sh	Max. negative test pulse with 1 signal	800 µs
Switching output Characteristic coil data 2 a V DC: 1.8 W Permissible voltage fluctuations Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance On No corrosion resistance class CRC On No corrosion resistance class CRC On No corrosion resistance LABS (PWIS) conformity VDMA24364-B1/82-L Media temperature Shock resistance On No corrosion resistance Shock resistance Sh	Nominal operating voltage DC	24 V
Permissible voltage fluctuations Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) 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 dass CRC O-No corrosion stress LABS (PMIS) conformity VDMA24364-B1/B2-L Media temperature 5-5°C50°C Relative air humidity O-90% Sound pressure level 85 dB(A) Ambient temperature 5-5°C50°C Max. sipteming torque for valve mounting 1.8 Nm2.2 Nm Product weight 332 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor 40 Max. output current sensor Pulsed Max. output current sensor 200 mA Max. output current sensor 200 mA Max. sulthering requency sensor 21 V Electrical connection Type C Sensor connection Cable 2.5 m Type of mounting On sub-base Pilot air port 12/14 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1		NPN
Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium lubicated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance class CRC O-No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature 5-9°50°C Relative air humidity O-90% Sound pressure level Ambient temperature 1-5-9°50°C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 33.2 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor 10 mA Max. output current sensor 10 mA Max. output current sensor 200 mA Max. suitput leguency sensor 10 mA Max. output current sensor 200 mA Short-directive sensor 210% Voltage drop sensor 210% Voltage drop sensor 22 V Electrical connection 25 mounting 0 n sub-base Pilot air port 12/14 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1	Characteristic coil data	24 V DC: 1.8 W
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) 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 60068-2-27 Corrosion resistance class CRC 0 - No corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -5 °C50 °C Relative air humidity 0 - 90% Sound pressure level 85 dB(A) Ambient temperature -5 °C50 °C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 332 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor 10 mA Max. sulput current sensor 200 mA Max. switching frequency sensor 200 mA Max. switching frequency sensor 2 10% Voltage drop sensor 2 V Electrical connection Type C To EN 175301-803 Without protective earth conductor Sensor connection Cable Spect of mounting	Permissible voltage fluctuations	-15%/+10%
Always be required) Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Shock resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC O - No corrosion stress LABS (PWIS) conformity VDMA24364-81/82-1 Media temperature -5 °C50 °C Relative air humidity O - 90% Sound pressure level 85 dB(A) Ambient temperature -5 °C50 °C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 33 2 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor 10 mA Max. output current sensor 10 mA Max. switching frequency sensor 200 mA Max. switching frequency sensor \$5000 Hz Residual ripple sensor 2 V Electrical connection Type C To EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting Ducted Not ducted Ether: Pheumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	Note on operating and pilot medium	
Corrosion resistance class CRC LABS (PWIS) conformity WDMA24364-B1/B2-L Media temperature 5° C50°C Relative air humidity 0 - 90% Sound pressure level 85 dB(A) Ambient temperature 5° C50°C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 332 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor Idle current sensor Max. output current sensor Max. output current sensor 200 mA Max. switching frequency sensor \$10 mA Max. output current sensor \$200 mA Fesidual ripple sensor \$21 V Electrical connection Type C 10 EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting Pilot air port 12/14 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	Vibration resistance	
LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -5 °C50 °C Relative air humidity 0 -90% Sound pressure level 85 dB(A) Ambient temperature -5 °C50 °C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 332 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor 10 mA Max. output current sensor 200 mA Max. output current sensor 200 mA Max. witching frequency sensor 21 v Residual ripple sensor 22 V Electrical connection Voltage drop sensor 22 V Electrical connection Cable 2.5 m Type C 10 E N 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3	Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Media temperature -5 °C50 °C Relative air humidity 0 - 90% Sound pressure level 85 dB(A) Ambient temperature -5 °C50 °C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 332 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor Pulsed Idle current sensor 10 mA Max. output current sensor 200 mA Max. switching frequency sensor 5000 Hz Residual ripple sensor 2 V Electrical connection Type C To EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting On sub-base Pilot air port 12/14 Sub-base size 26 mm to ISO 15407-1 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	Corrosion resistance class CRC	0 - No corrosion stress
Relative air humidity 0 - 90% Sound pressure level 85 dB(A) Ambient temperature - 5°C50°C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 332 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor Pulsed Idle current sensor 10 mA Max. output current sensor 200 mA Max. switching frequency sensor 5000 Hz Residual ripple sensor 2 V Electrical connection 2 V Electrical connection 2.5 m Type of mounting 7 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Sound pressure level 85 dB(A) Ambient temperature -5 °C50 °C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 332 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor Pulsed Idle current sensor 10 mA Max. output current sensor 200 mA Max. switching frequency sensor 5000 Hz Residual ripple sensor 2 V Voltage drop sensor 2 V Electrical connection Type C To EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m 2 bub-base Type of mounting On sub-base Pilot air port 12/14 Sub-base size 26 mm to ISO 15407-1 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	Media temperature	-5 °C50 °C
Ambient temperature -5 °C50 °C Max. tightening torque for valve mounting 1.8 Nm2.2 Nm Product weight 332 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor Pulsed Idle current sensor 10 mA Max. output current sensor 200 mA Max. switching frequency sensor 5000 Hz Residual ripple sensor 2V Electrical connection Type C TO EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3	Relative air humidity	0 - 90%
Max. tightening torque for valve mounting Product weight 332 g Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor Pulsed Idle current sensor 10 mA Max. output current sensor 200 mA Max. switching frequency sensor \$5000 Hz Residual ripple sensor 21 V Electrical connection Type C To EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting Pilot air port 12/14 Pilot exhaust port 82/84 Ducted Pheumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Sub-base size 26 mm to ISO 15407-1	Sound pressure level	85 dB(A)
Product weight Operating voltage range, DC sensor 10 V30 V Short-circuit strength sensor Pulsed Idle current sensor 10 mA Max. output current sensor 200 mA Max. switching frequency sensor 8esidual ripple sensor 2 to 10 mS Voltage drop sensor 2 to 2 V Electrical connection Type C To EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting On sub-base Pilot air port 12/14 Ducted Not ducted Either: Pneumatic connection, port 1 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Sub-base size 26 mm to ISO 15407-1	Ambient temperature	-5 °C50 °C
Operating voltage range, DC sensor Short-circuit strength sensor Idle current sensor Max. output current sensor Max. witching frequency sensor Residual ripple sensor Voltage drop sensor Electrical connection Sensor connection Type C To EN 175301-803 Without protective earth conductor Cable 2.5 m Type of mounting Pilot air port 12/14 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Sub-base size 26 mm to ISO 15407-1	Max. tightening torque for valve mounting	1.8 Nm2.2 Nm
Short-circuit strength sensorPulsedIdle current sensor10 mAMax. output current sensor200 mAMax. switching frequency sensor5000 HzResidual ripple sensor± 10%Voltage drop sensor2 VElectrical connectionType C To EN 175301-803 Without protective earth conductorSensor connectionCable 2.5 mType of mountingOn sub-basePilot air port 12/14Sub-base size 26 mm to ISO 15407-1Pilot exhaust port 82/84Ducted Not ducted Either:Pneumatic connection, port 1Sub-base size 26 mm to ISO 15407-1Pneumatic connection, port 2Sub-base size 26 mm to ISO 15407-1Pneumatic connection, port 3Sub-base size 26 mm to ISO 15407-1	Product weight	332 g
Idle current sensor10 mAMax. output current sensor200 mAMax. switching frequency sensor5000 HzResidual ripple sensor± 10%Voltage drop sensor2 VElectrical connectionType C To EN 175301-803 Without protective earth conductorSensor connectionCable 2.5 mType of mountingOn sub-basePilot air port 12/14Sub-base size 26 mm to ISO 15407-1Pilot exhaust port 82/84Ducted Not ducted Either:Pneumatic connection, port 1Sub-base size 26 mm to ISO 15407-1Pneumatic connection, port 2Sub-base size 26 mm to ISO 15407-1Pneumatic connection, port 3Sub-base size 26 mm to ISO 15407-1	Operating voltage range, DC sensor	10 V30 V
Max. output current sensor200 mAMax. switching frequency sensor5000 HzResidual ripple sensor± 10%Voltage drop sensor2 VElectrical connectionType C To EN 175301-803 Without protective earth conductorSensor connectionCable 2.5 mType of mountingOn sub-basePilot air port 12/14Sub-base size 26 mm to ISO 15407-1Pilot exhaust port 82/84Ducted Not ducted Either:Pneumatic connection, port 1Sub-base size 26 mm to ISO 15407-1Pneumatic connection, port 2Sub-base size 26 mm to ISO 15407-1Pneumatic connection, port 3Sub-base size 26 mm to ISO 15407-1	Short-circuit strength sensor	Pulsed
Max. switching frequency sensor Residual ripple sensor \$\frac{\text{town}}{2}\$ Voltage drop sensor Electrical connection \$\frac{\text{Type C}}{\text{To EN 175301-803}}\$ Without protective earth conductor} Sensor connection \$\frac{\text{Cable}}{2.5 \text{ m}}\$ Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	Idle current sensor	10 mA
Residual ripple sensor 2 V Electrical connection Type C To EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Sub-base size 26 mm to ISO 15407-1	Max. output current sensor	200 mA
Voltage drop sensor Electrical connection Type C To EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1		5000 Hz
Electrical connection Type C To EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting On sub-base Pilot air port 12/14 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Sub-base size 26 mm to ISO 15407-1 Sub-base size 26 mm to ISO 15407-1	Residual ripple sensor	± 10%
To EN 175301-803 Without protective earth conductor Sensor connection Cable 2.5 m Type of mounting On sub-base Pilot air port 12/14 Sub-base size 26 mm to ISO 15407-1 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1		
Type of mountingOn sub-basePilot air port 12/14Sub-base size 26 mm to ISO 15407-1Pilot exhaust port 82/84Ducted Not ducted Either:Pneumatic connection, port 1Sub-base size 26 mm to ISO 15407-1Pneumatic connection, port 2Sub-base size 26 mm to ISO 15407-1Pneumatic connection, port 3Sub-base size 26 mm to ISO 15407-1	Electrical connection	To EN 175301-803
Pilot air port 12/14 Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	Sensor connection	
Pilot exhaust port 82/84 Ducted Not ducted Either: Pneumatic connection, port 1 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	Type of mounting	On sub-base
Not ducted Either: Pneumatic connection, port 1 Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1 Sub-base size 26 mm to ISO 15407-1	Pilot air port 12/14	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	Pilot exhaust port 82/84	Not ducted
Pneumatic connection, port 2 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 3 Sub-base size 26 mm to ISO 15407-1	Pneumatic connection, port 1	Sub-base size 26 mm to ISO 15407-1
·	· · · · · · · · · · · · · · · · · · ·	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 4 Sub-base size 26 mm to ISO 15407-1	Pneumatic connection, port 3	Sub-base size 26 mm to ISO 15407-1
	Pneumatic connection, port 4	Sub-base size 26 mm to ISO 15407-1

Feature	Value
Pneumatic connection, port 5	Sub-base size 26 mm to ISO 15407-1
Pilot control interface	To ISO 15218
Note on materials	RoHS-compliant
Material seals	FPM NBR
Material housing	Die-cast aluminium PA
Material screws	Galvanised steel
Switching element function	N/C contact