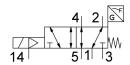
## Solenoid valve VSVA-B-M52-MZ-A1-1C1-ANC

**FESTO** 

Part number: 560744





General operating condition

## **Data sheet**

Feature	Value
Valve function	5/2-way, monostable
Type of actuation	Electric
Construction width	26 mm
Standard nominal flow rate	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 MPa 1.6 MPa
Operating pressure	-0.9 bar 16 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
CE 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
Symbol	00997391
Measuring principle	Inductive
lap	Overlap
Reverse polarity protection sensor	For all electrical connections
Signal status display	With accessories
Switching position sensing	Normal position via sensor

Pilot pressure 0.3 MPa 1 MPa  Pilot pressure 3 bar 10 bar  Flow rate of valve 1400 l/min  Flow rate of valve on individual sub-base 1100 l/min  Flow rate of pneumatically interlinked valve 1100 l/min  Switching time off 41 ms	Feature	Value
Pilot pressure	Switching status display sensor	LED
Flow rate of valve   1400 l/min   1100 l/m	Pilot pressure	0.3 MPa 1 MPa
Flow rate of valve on individual sub-base	Pilot pressure	3 bar 10 bar
Flow rate of pneumatically interflinked valve	Flow rate of valve	1400 l/min
Switching time of	Flow rate of valve on individual sub-base	1100 l/min
Switching time of	Flow rate of pneumatically interlinked valve	1100 l/min
Switching time on         21 ms           Valve - sensor switching time on         60 ms           Valve - sensor switching time off         11 ms           Duty cycle         10%           Max. positive test pulse with 0 signal         800 µs           Max. regative test pulse with 1 signal         800 µs           Nominal 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         Lubricated operation possible (in which case lubricated operation will always be required)           Vibration resistance         Transport application test with severity level 2 to FN 942017-5 and EN 60068:2-27           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 GWIS conformity         VDMA24364-81/82-1           Media temperature         -5 °C 50 °C           Relative air humidity         0 -90%           Sound pressure level         8s dBI/Q           Ambient temperature         -5 °C 50 °C           Max. tightening torque fo		41 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 Mominal operating voltage DC 2a V Switching output NPN Characteristic coil data 24 V DC: 1.8 W Permissible voltage fluctuations - 15% / 10% Operating medium Compressed at rot 150 8573-1:2010 [7:44-4] 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 942017-5 and EN 60068-2-6 Shock resistance Shock resistance Shock 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 Corrosion resistance the following the service of the page 17 to FN 942017-5 and EN 60068-2-7 Corrosion resistance class CRC 0 - No corrosion stress Corrosion r	Switching time on	21 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 Mominal operating voltage DC 2a V Switching output NPN Characteristic coil data 24 V DC: 1.8 W Permissible voltage fluctuations - 15% / 10% Operating medium Compressed at rot 150 8573-1:2010 [7:44-4] 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 942017-5 and EN 60068-2-6 Shock resistance Shock resistance Shock 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 Corrosion resistance the following the service of the page 17 to FN 942017-5 and EN 60068-2-7 Corrosion resistance class CRC 0 - No corrosion stress Corrosion r		60 ms
Duty cycle   100%		11 ms
Max. negative test pulse with 1 signal         800 µs           Nominal operating voltage DC         2x 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         Lubricated operation possible (in which case lubricated operation will always be required)           Vibration resistance         Fransport 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           Corrosion stress         0 No corrosion stress           LABS (PWIS) conformity         VDMA2348-0 E1/82-1           Media temperature         5-9°C 50°C           Real temperature         5-9°C 50°C           Max lightening strong for group for valve mounting         1.8 km 2.2 km           Product weight         332 g           Operating moltage		100%
Max. negative test pulse with 1 signal         800 µs           Nominal operating voltage DC         2x 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         Lubricated operation possible (in which case lubricated operation will always be required)           Vibration resistance         Fransport 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           Corrosion stress         0 No corrosion stress           LABS (PWIS) conformity         VDMA2348-0 E1/82-1           Media temperature         5-9°C 50°C           Real temperature         5-9°C 50°C           Max lightening strong for group for valve mounting         1.8 km 2.2 km           Product weight         332 g           Operating moltage	Max. positive test pulse with 0 signal	1800 μs
Switching output  Characteristic coil data  24 V DC: 1.8 W  Permissible voltage fluctuations  15%/+10%  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Uubricated 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 test with severity level 2 to FN 942017-5 and EN 60068-2-6  Corrosion resistance class CRC   0. No corrosion stress  Corrosion resistance class CRC   0. No corrosion stress  LABS (PMIS) conformity   VDMA24364-B1/B2-1  Media temperature   5-9°C 50°C  Relative air humidity   0.90%  Sound pressure level   85 dB(A)  Ambient temperature   5-5°C 50°C  Max. tightening torque for valve mounting   1.8 Nm 2.2 Nm    Product weight   332 g  Operating voltage range, DC sensor   10 V 30 V  Short-circuit strength sensor   Pulsed    Idle current sensor   410 mA    Max. output current sensor   200 mA    Max. switching frequency sensor   5000 Hz  Residual ripple sensor   10%    Voltage drop sensor   2 V    Electrical connection   7/pp 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    Pheumatic connection, port 1   Sub-base size 26 mm to ISO 15407-1    Pheumatic connection, port 2   Sub-base size 26 mm to ISO 15407-1    Pheumatic connection, port 3   Sub-base size 26 mm to ISO 15407-1    Pheumatic connection, port 5   Sub-base size 26 mm to ISO 15407-1    Pilot control interface   To ISO		800 µs
Switching output  Characteristic coil data  24 V DC: 1.8 W  Permissible voltage fluctuations  15%/+10%  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Uubricated 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 test with severity level 2 to FN 942017-5 and EN 60068-2-6  Corrosion resistance class CRC   0. No corrosion stress  Corrosion resistance class CRC   0. No corrosion stress  LABS (PMIS) conformity   VDMA24364-B1/B2-1  Media temperature   5-9°C 50°C  Relative air humidity   0.90%  Sound pressure level   85 dB(A)  Ambient temperature   5-5°C 50°C  Max. tightening torque for valve mounting   1.8 Nm 2.2 Nm    Product weight   332 g  Operating voltage range, DC sensor   10 V 30 V  Short-circuit strength sensor   Pulsed    Idle current sensor   410 mA    Max. output current sensor   200 mA    Max. switching frequency sensor   5000 Hz  Residual ripple sensor   10%    Voltage drop sensor   2 V    Electrical connection   7/pp 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    Pheumatic connection, port 1   Sub-base size 26 mm to ISO 15407-1    Pheumatic connection, port 2   Sub-base size 26 mm to ISO 15407-1    Pheumatic connection, port 3   Sub-base size 26 mm to ISO 15407-1    Pheumatic connection, port 5   Sub-base size 26 mm to ISO 15407-1    Pilot control interface   To ISO		24 V
Characteristic coil data 24 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 operating 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 60068-2-6 Corrosion resistance class CRC O-No corrosion stress Carrosion resistance class CRC O-No corrosion stress Carrosion resistance test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC O-No corrosion stress Carrosion resistance test strength several pilot description of the corrosion stress Corrosion resistance class CRC O-No corrosion stress Carrosion resistance class CRC Corrosion resistance Corrosion resistance Corrosion resistance class CRC Corrosion resistance Corrosion re		NPN
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 60068-2-27  Corrosion resistance class CRC  O - No corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/22-L  Media temperature  5 ° C 50 ° C  Relative air humidity  O - 90%  Sound pressure level  85 dB(A)  Ambient temperature  5 ° C 50 ° C  Max. tightening torque for valve mounting  1.8 Mm 2.2 Nm  Product weight  332 g  Operating voltage range, DC sensor  10 V 30 V  Short-circuit strength sensor  Pulsed  Idle current sensor  200 mA  Max. output current sensor  200 mA  Max. witching frequency sensor  5000 Hz  Residual ripple sensor  22 V  Electrical connection  Type C  Type of mounting  On sub-base  Pilot air port 12/14  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 1  Pneumatic connection, port 5  Electrical connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5		24 V DC: 1.8 W
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 60068-2-27  Corrosion resistance class CRC  O - No corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/22-L  Media temperature  5 ° C 50 ° C  Relative air humidity  O - 90%  Sound pressure level  85 dB(A)  Ambient temperature  5 ° C 50 ° C  Max. tightening torque for valve mounting  1.8 Mm 2.2 Nm  Product weight  332 g  Operating voltage range, DC sensor  10 V 30 V  Short-circuit strength sensor  Pulsed  Idle current sensor  200 mA  Max. output current sensor  200 mA  Max. witching frequency sensor  5000 Hz  Residual ripple sensor  22 V  Electrical connection  Type C  Type of mounting  On sub-base  Pilot air port 12/14  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 1  Pneumatic connection, port 5  Electrical connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5	Permissible voltage fluctuations	-15%/+10%
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 test with severity level 2 to FN 942017-5 and EN 60068-2-7  Corrosion resistance class CRC  O - No corrosion stess  LABS (PWIS) conformity  VDMA24364-81/B2-L  Media temperature -5°C 50°C  Relative air humidity -5°C 50°C  Relative air humidity -5°C 50°C  Max. tightening torque for valve mounting -5°C 50°C  Max. tightening torque for valve mounting -1.8 Nm 2.2 Nm  Product weight -332 g -00 mA  Max. output current sensor -10 V 30 V  Short-circuit strength sensor -10 Ma  Max. output current sensor -200 mA  Max. output current sensor -200 mA  Max. switching frequency sensor -200 mA  Max. switching frequency sensor -21 10%  Voltage drop sensor -21 10%  Voltage drop sensor -22 V  Electrical connection -25 mounting -25 mounting -25 mounting -25 mounting -25 mounting -25 mounting -26 mounting -27 mounting -28 mounting -29 mounting -29 mounting -20 mou		· · · · · · · · · · · · · · · · · · ·
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 °C 50 °C  Relative air humidity  0 - 90%  Sound pressure level -85 dB(A)  Ambient temperature -5 °C 50 °C  Max. tightening torque for valve mounting -1.8 km 2.2 km  Product weight -0 perating voltage range, DC sensor -10 V 30 V  Short-circuit strength sensor -10 V 30 V  Short-circuit strength sensor -10 mA  Max. output current sensor -10 mA  Max. switching frequency sensor -2000 MA  Max. switching frequency sensor -2000 M2  Residual ripple sensor -21 m96  Voltage drop sensor -22 V  Electrical connection -10 EN 175301-803 -25 mit on to ISO 15407-1  Pilot exhaust port 82/84 -25 m to ISO 15407-1  Pneumatic connection, port 1  Pneumatic connection, port 2  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 -20 b-base size 26 mm		Lubricated operation possible (in which case lubricated operation will
Corrosion resistance class CRC  LABS (PWIS) conformity  WDMA24364-B1/B2-L  Media temperature  -5 °C 50 °C  Relative air humidity  0 -90%  Sound pressure level  85 dB(A)  Ambient temperature  -5 °C 50 °C  Max. tightening torque for valve mounting  1.8 Nm 2.2 Nm  Product weight  332 g  Operating voltage range, DC sensor  Pulsed  Idle current sensor  200 mA  Max. output current sensor  410 mA  Max. output current sensor  200 mA  Max. witching frequency sensor  5000 Hz  Residual ripple sensor  22 V  Electrical connection  Type C  To EN 175301-803  Without protective earth conductor  Sensor connection  Cable 2.5 m  On sub-base  Pilot air port 12/14  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 3  Pneumatic connection, port 4  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1	Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN
Corrosion resistance class CRC  LABS (PWIS) conformity  WDMA24364-B1/B2-L  Media temperature  -5 °C 50 °C  Relative air humidity  0 -90%  Sound pressure level  85 dB(A)  Ambient temperature  -5 °C 50 °C  Max. tightening torque for valve mounting  1.8 Nm 2.2 Nm  Product weight  332 g  Operating voltage range, DC sensor  Pulsed  Idle current sensor  200 mA  Max. output current sensor  410 mA  Max. output current sensor  200 mA  Max. witching frequency sensor  5000 Hz  Residual ripple sensor  22 V  Electrical connection  Type C  To EN 175301-803  Without protective earth conductor  Sensor connection  Cable 2.5 m  On sub-base  Pilot air port 12/14  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 3  Pneumatic connection, port 4  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1	Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Media temperature  Relative air humidity  0 - 90%  Sound pressure level  8 5 BGA(A)  Ambient temperature  -5 °C 50 °C  Max. tightening torque for valve mounting  1.8 Nm 2.2 Nm  Product weight  332 g  Operating voltage range, DC sensor  10 V 30 V  Short-circuit strength sensor  Idle current sensor  ### August of the product weight  200 mA  Max. output current sensor  ### August of the product weight  200 mA  Max. output current sensor  ### August of the product weight  ### August of the product weigh	Corrosion resistance class CRC	·
Media temperature  Relative air humidity  0 - 90%  Sound pressure level  8 5 BGA(A)  Ambient temperature  -5 °C 50 °C  Max. tightening torque for valve mounting  1.8 Nm 2.2 Nm  Product weight  332 g  Operating voltage range, DC sensor  10 V 30 V  Short-circuit strength sensor  Idle current sensor  ### August of the product weight  200 mA  Max. output current sensor  ### August of the product weight  200 mA  Max. output current sensor  ### August of the product weight  ### August of the product weigh		
Relative air humidity  O - 90%  Sound pressure level  85 dB(A)  Ambient temperature  -5 °C 50 °C  Max. tightening torque for valve mounting  1.8 Nm 2.2 Nm  Product weight  332 g  Operating voltage range, DC sensor  10 V 30 V  Short-circuit strength sensor  Idle current sensor  \$10 mA  Max. output current sensor  \$200 mA  Max. witching frequency sensor  \$200 mA  Woltage drop sensor  \$2 V V  Sletrical connection  \$2 V V  Sletrical connection  \$2 V V  Sensor connection  \$3 Iype C To EN 175301-803 Without protective earth conductor  \$4 In your of mounting  On sub-base  Pilot air port 12/14  \$3 In your base size 26 mm to ISO 15407-1  Pneumatic connection, port 1  Pneumatic connection, port 3  Pneumatic connection, port 4  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  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 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1	· · · · · · · · · · · · · · · · · · ·	
Sound pressure level 85 dB(A)  Ambient temperature -5° C 50° C  Max. tightening torque for valve mounting 1.8 Nm 2.2 Nm  Product weight 332 g  Operating voltage range, DC sensor 10 V 30 V  Short-circuit strength sensor Pulsed  Idle current sensor 200 mA  Max. output current sensor 200 mA  Max. switching frequency sensor 5000 Hz  Residual ripple sensor ± 10%  Voltage drop sensor ± 10%  Voltage drop 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  Ducted Not ducted Either:  Pneumatic connection, port 1  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 3  Pneumatic connection, port 4  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5	-	
Ambient temperature  .5 °C 50 °C  Max. tightening torque for valve mounting  1.8 Nm 2.2 Nm  Product weight  332 g  Operating voltage range, DC sensor  10 V 30 V  Short-circuit strength sensor  Pulsed  Idle current sensor  Amax. output current sensor  Max. output current sensor  Max. output current sensor  5000 H2  Residual ripple sensor  \$10 W  Voltage drop sensor  \$2 V  Electrical connection  Type C  10 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  Pneumatic connection, port 2  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  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1	·	
Max. tightening torque for valve mounting  1.8 Nm 2.2 Nm  Product weight  332 g  Operating voltage range, DC sensor  10 V 30 V  Short-circuit strength sensor  Pulsed  Idle current sensor  Amax. output current sensor  Max. output current sensor  Max. output current sensor  Max. switching frequency sensor  Electrical pensor  \$200 MA  Switching frequency 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  Pneumatic connection, port 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  Pneumatic connection, port 4  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5	·	
Product weight 332 g Operating voltage range, DC sensor 10 V 30 V Short-circuit strength sensor Pulsed Idle current sensor \$10 mA Max. output current sensor 200 mA Max. witching frequency sensor \$5000 Hz Residual ripple sensor \$10 % Voltage drop sensor \$2 V Stelectrical connection \$10 En N 175301-803 Without protective earth conductor  Sensor connection \$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 3 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 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1	·	1.8 Nm 2.2 Nm
Operating voltage range, DC sensor  Short-circuit strength sensor  Pulsed  Idle current sensor  \$10 mA  Max. output current sensor  Max. switching frequency sensor  Residual ripple sensor  \$200 mA  Short-circuit strength sensor  \$200 mA  Max. switching frequency sensor  \$200 mB  Residual ripple s	·	332 g
Short-circuit strength sensor    Idle current sensor   \$10 mA		
Idle current sensor       \$10 mA         Max. output current sensor       200 mA         Max. switching frequency sensor       5000 Hz         Residual ripple sensor       \$10%         Voltage drop 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         Pneumatic connection, port 4       Sub-base size 26 mm to ISO 15407-1         Pneumatic connection, port 5       Sub-base size 26 mm to ISO 15407-1         Pneumatic connection, port 5       Sub-base size 26 mm to ISO 15407-1         Pilot control interface       To ISO 15218		
Max. output current sensor  Max. switching frequency sensor  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  Pneumatic connection, port 3  Pneumatic connection, port 4  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 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  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1		
Max. switching frequency sensor  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  Type of mounting  On sub-base  Pilot air port 12/14  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  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  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1	Max. output current sensor	
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  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  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1	Max. switching frequency sensor	5000 Hz
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  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  Pneumatic connection, port 4  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1		± 10%
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  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  Pneumatic connection, port 4  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1		≤2 V
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  Pneumatic connection, port 4 Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1		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  Pneumatic connection, port 4  Pneumatic connection, port 4  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  Pneumatic connection, port 4  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1	Sensor connection	Cable
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  Pneumatic connection, port 4  Pneumatic connection, port 4  Pneumatic connection, port 5  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 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pilot control interface  To ISO 15218	Type of mounting	On sub-base
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  Pneumatic connection, port 4  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pilot control interface  To ISO 15218		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  Pneumatic connection, port 4  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pilot control interface  To ISO 15218		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 4  Sub-base size 26 mm to ISO 15407-1  Pneumatic connection, port 5  Sub-base size 26 mm to ISO 15407-1  Pilot control interface  To ISO 15218	Pneumatic connection, port 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 5 Sub-base size 26 mm to ISO 15407-1 Pilot control interface To ISO 15218		Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pilot control interface To ISO 15218	Pneumatic connection, port 3	Sub-base size 26 mm to ISO 15407-1
Pneumatic connection, port 5 Sub-base size 26 mm to ISO 15407-1 Pilot control interface To ISO 15218	Pneumatic connection, port 4	Sub-base size 26 mm to ISO 15407-1
Pilot control interface To ISO 15218	*	Sub-base size 26 mm to ISO 15407-1
Note on materials RoHS-compliant		To ISO 15218
	Note on materials	RoHS-compliant

Feature	Value
	FPM NBR
	Die-cast aluminium PA
Material screws	Galvanised steel
Switching element function	N/C contact