Air solenoid valve VSVA-B-P53E-H-A1-1R5L

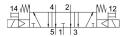
Part number: 534560



Data sheet

| Valve function5/3, exhaustedActuation typeElectricalWidth26 mmStandard nominal flow rate1000 l/minPneumatic working portSub-base, size 26 mm according to ISO 15407-1Operating voltage24V DCOperating pressure0.3 MPa 0.8 MPaOperating pressure3 bar 8 barStructural designPiston gate valveReset methodMechanical springCertificationRCM compliance mark c UL us - Recognized (01)CE marking (see declaration of conformity)As per EU EMC directiveUKCA marking (see declaration of conformity)To UK instructions for EMC To UK RoHS instructionsDegree of protectionIP65 NEMA 4Nominal width9 mmWidth dimension27 mmExhaust air functionMit flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot distruptionSoftMounting position00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-downSignal status displayLED | Value | |
|--|----------------------------------|---|
| Width 26 mm Standard nominal flow rate 1000 1/min Pneumatic working port Sub-base, size 26 mm according to ISO 15407-1 Operating voltage 24V DC Operating pressure 0.3 MPa Operating pressure 3 bar 8 bar Structural design Piston gate valve Reset method Mechanical spring Certification RCM compliance mark compliance mark compliance mark compliance for MC To UK snown for EMC To UK RoHS instructions for EMC To UK RoHS instructions Degree of protection IP65 Nominal width 9 mm Width dimension 27 mm Exhaust air function With flow control option Via individual sub-base Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 Mau override Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991082 Lap Overlap Reverse polarity protection for all electrical connections | 5/3, 6 | exhausted |
| Standard nominal flow rate1000 l/minPneumatic working portSub-base, size 26 mm according to ISO 15407-1Operating voltage24V DCOperating pressure0.3 MPa 0.8 MPaOperating pressure3 bar 8 barStructural designPiston gate valveReset methodMechanical springCertificationRCM compliance mark c UL us - Recognized (0L)CE marking (see declaration of conformity)As per EU EMC directiveUKCA marking (see declaration of conformity)To UK instructionsDegree of protectionIP65 NEMA 4Nominal width9 mmWidth dimension27 mmExhaust air functionSoftMounting positionAnyConfront to standardISO 15407-1Manual overrideNon-detentingType of controlPilot controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991082LapOverlapReverse polarity protectionfor all electrical connections | Electr | ical |
| Pneumatic working port Sub-base, size 26 mm according to ISO 15407-1 Operating voltage 24V DC Operating pressure 0.3 MPa 0.8 MPa Operating pressure 3 bar 8 bar Structural design Piston gate valve Reset method Mechanical spring Certification RCM compliance mark c UL us - Recognized (OL) CE marking (see declaration of conformity) As per EU EMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Degree of protection IP65 NEMA 4 Nominal width 9 mm With flow control option Via throttle plate Via individual sub-base Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 Manual override Non-detenting Type of control Pilot -controlled Pilot - sortol Operating Symbol Oo991082 Lap Overlap Reverse polarity protection for all electrical connections Additional functions Holding current reduction Safety shut-down | 26 m | m |
| Operating voltage 24V DC Operating pressure 0.3 MPa Operating pressure 3 bar Structural design Piston gate valve Reset method Mechanical spring Certification RCM compliance mark c UL us - Recognized (OL) CE marking (see declaration of conformity) As per EU EMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Degree of protection IP65 NEMA 4 Nominal width 9 mm Width dimension 27 mm Exhaust air function With flow control option Via throttle plate Via individual sub-base Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Kor-detenting Symbol 00991082 Lap Overlap Reverse polarity protection for all electrical connections Additional functions Holding current reduction | al flow rate 1000 | l/min |
| Operating pressure 0.3 MPa 0.8 MPa Operating pressure 3 bar 8 bar Structural design Piston gate valve Reset method Mechanical spring Certification RCM compliance mark c UL us - Recognized (OL) CE marking (see declaration of conformity) As per EU EMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Degree of protection IP65 NEMA 4 Nominal width 9 mm Width dimension 27 mm Exhaust air function With flow control option Via throttle plate Via individual sub-base Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991082 Lap Overlap Reverse polarity protection for all electrical connections Additional functions Holding current reduction Safety shut-down | ng port Sub-t | pase, size 26 mm according to ISO 15407-1 |
| Operating pressure 3 bar 8 bar Structural design Piston gate valve Reset method Mechanical spring Certification RCM compliance mark c UL us - Recognized (OL) CE marking (see declaration of conformity) As per EU EMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Degree of protection IP65 Nominal width 9 mm Width dimension 27 mm Exhaust air function With flow control option Via throttle plate Via individual sub-base Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991082 Lap Overlap Reverse polarity protection For all electrical connections Additional functions Holding current reduction Safety shut-down | re 24V [| DC |
| Piston gate valve Reset method Mechanical spring Certification RCM compliance mark c UL us - Recognized (OL) CE marking (see declaration of conformity) As per EU EMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Degree of protection IP65 NEMA 4 Nominal width 9 mm Width dimension 27 mm Exhaust air function With flow control option Via individual sub-base Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction 00991082 Lap Overlap Reverse polarity protection For all electrical connections Additional functions Holding current reduction | ure 0.3 M | Pa 0.8 MPa |
| Reset method Mechanical spring Certification RCM compliance mark c UL us - Recognized (0L) CE marking (see declaration of conformity) As per EU EM directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK not instructions Degree of protection IP65 NEMA 4 Nominal width 9 mm Width dimension 27 mm Exhaust air function With flow control option Via throttle plate Via individual sub-base Sealing principle Soft Mounting position Any Conforms to standard ISO 15407-1 Maual override Non-detenting Pilot controlled Pilot-controlled Pilot wirection 00991082 Lap Overlap Reverse polarity protection for all electrical connections Additional functions Holding current reduction Safety shut-down | ure 3 bar | 8 bar |
| CertificationRCM compliance mark c UL us - Recognized (OL)CertificationRCM compliance mark c UL us - Recognized (OL)CE marking (see declaration of conformity)As per EU EMC directiveUKCA marking (see declaration of conformity)To UK instructions for EMC To UK RoHS instructionsDegree of protectionIP65 NEMA 4Nominal width9 mmWidth dimension27 mmExhaust air functionWith flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledFilot air supply portInternalFlow direction00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | n Pisto | n gate valve |
| c UL us · Recognized (OL)CE marking (see declaration of conformity)As per EU EMC directiveUKCA marking (see declaration of conformity)To UK instructions for EMC To UK RoHS instructionsDegree of protectionIP65 NEMA 4Nominal width9 mmWidth dimension27 mmExhaust air functionWith flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow direction00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | Mech | anical spring |
| UKCA marking (see declaration of conformity)To UK instructions for EMC To UK RoHS instructionsDegree of protectionIP65 NEMA 4Nominal width9 mmWidth dimension27 mmExhaust air functionWith flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow direction00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | | |
| To UK RoHS instructionsDegree of protectionIP65 NEMA 4Nominal width9 mmWidth dimension27 mmExhaust air functionWith flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow direction00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | declaration of conformity) As pe | r EU EMC directive |
| NEMA 4Nominal width9 mmWidth dimension27 mmExhaust air functionWith flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | | |
| Width dimension27 mmExhaust air functionWith flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | - | A 4 |
| Exhaust air functionWith flow control option Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | 9 mm | |
| Via throttle plate Via individual sub-baseSealing principleSoftMounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | າ 27 m | m |
| Mounting positionAnyConforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | Via th | nrottle plate |
| Conforms to standardISO 15407-1Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | Soft | |
| Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | on Any | |
| Type of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991082LapOverlapReverse polarity protectionfor all electrical connectionsAdditional functionsHolding current reduction Safety shut-down | ndard ISO 1 | 5407-1 |
| Pilot air supply port Internal Flow direction Non-reversible Symbol 00991082 Lap Overlap Reverse polarity protection for all electrical connections Additional functions Holding current reduction | Non-o | detenting |
| Flow direction Non-reversible Symbol 00991082 Lap Overlap Reverse polarity protection for all electrical connections Additional functions Holding current reduction Safety shut-down | Pilot- | controlled |
| Symbol 00991082 Lap Overlap Reverse polarity protection for all electrical connections Additional functions Holding current reduction Safety shut-down | ort Interr | nal |
| Lap Overlap Reverse polarity protection for all electrical connections Additional functions Holding current reduction Safety shut-down Safety shut-down | Non-I | reversible |
| Reverse polarity protection for all electrical connections Additional functions Holding current reduction Safety shut-down Safety shut-down | 0099 | 1082 |
| Additional functions Holding current reduction Safety shut-down | Overl | ap |
| Safety shut-down | protection for al | l electrical connections |
| Signal status display LED | | - |
| | play LED | |
| b-value 0.3 | 0.3 | |
| C value 2.9 l/sbar | 2.9 \/ | sbar |

FESTO



| Feature | Value |
|--|--|
| Flow rate of pneumatic valve | 1400 l/min |
| Flow rate of pneumatic valve on individual sub-base | 1100 l/min |
| Optimized flow rate of pneumatic valve pneumatically concatenated flow | 1000 l/min |
| Switching time off | 52 ms |
| On switching time | 20 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 500 μs |
| Max. negative test pulse on 1 signal | 500 μs |
| Nominal pick-up current per solenoid coil | 110 mA to 20 ms |
| Nominal current with current reduction | 30 mA after 20 ms |
| Coil characteristics | 24 V DC: low-current phase 1.0 W, high-current phase 2.4 W |
| Permissible voltage fluctuations | +/- 10 % |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Vibration resistance | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Temperature of medium | -5 °C 50 °C |
| Relative air humidity | 0 - 90 % |
| Protection against direct and indirect contact | PELV |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C 50 °C |
| Max. tightening torque for valve mounting | 1.8 Nm 2.2 Nm |
| Product weight | 270 g |
| Electrical connection | 3-pin M12x1 Central plug Round design |
| Type of mounting | On sub-base With through-hole and screw |
| Note on materials | RoHS-compliant |
| Seals material | FPM HNBR NBR |
| Housing material | Die-cast aluminum |