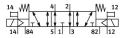
Solenoid valve MVH-5/3E-3/8-S-B Part number: 15344

FESTO





Data sheet

| Figure of actuation Construction width Construction width Standard nominal flow rate (standardised to DIN 1343) 200 //min Deneumatic working port Coperating voltage Coperating pressure Cope | Feature | Value |
|--|---|---|
| Construction width Standard nominal flow rate (standardised to DIN 1343) 2200 I/min 2200 I/min 378 Operating voltage 24V DC Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Design Piston gate valve If yep of reset Mechanical spring Nominal size 12 mm Srid dimension Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Non-detenting Pilot air supply Flow direction Reversible Jap Overlap Overlap Overlap Overlap Max. switching frequency Switching time on Switching time on Max. positive test pulse with 0 signal Max. positive test pulse with 1 signal Permissible voltage fluctuations 4 nm 42 v DC: 2.5 W Permissible voltage fluctuations | Valve function | 5/3 exhausted |
| Standard nominal flow rate (standardised to DIN 1343) peneumatic working port G3/8 Deparating voltage 24V DC Operating pressure -0.99 Mar10 Mpa -0.99 bar10 bar Piston gate valve Type of reset Mechanical spring Nominal size 12 mm Strind dimension 41 mm Exhaust-air function Soft Mounting position Manual override Type of piloting Pilot actuated Pilot air supply External Reversible Deplict pressure 0.3 MPa1 MPa 3 bar10 bar 3 bar10 bar 8 7 ms Switching time on Switching time reversal Max. positive test pulse with 1 signal Permissible voltage fluctuations 24 V DC: 2.5 W Permissible voltage fluctuations | Type of actuation | Electric |
| G3/8 Operating voltage Operating pressure Operating | Construction width | 40 mm |
| Deparating voltage Deparating pressure Design Design Piston gate valve Mechanical spring Nominal size 12 mm Strid dimension Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Non-detenting Pilot actuated Pilot artuated Pilot pressure Design Overlap Pilot pressure O,3 MPa1 MPa 3 bar10 bar 35 ms Switching time off Switching time reversal Max. spositive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Permissible voltage fluctuations | Standard nominal flow rate (standardised to DIN 1343) | 2200 l/min |
| Design Piston gate valve Piston gate valve Piston gate valve Nominal size Mechanical spring Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Soaling principle Soft Mounting position optional Manual override Non-detenting Pilot air supply External Flow direction Reversible Jap Overlap Pilot pressure 0.3 MPa1 MPa 3 bar10 bar Max. switching frequency 3 Hz Switching time off 87 ms Switching time on 35 ms Switching time reversal 75 ms Max. negative test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations | pneumatic working port | G3/8 |
| -0.9 bar10 bar Piston gate valve Fiye of reset Mechanical spring Mounting position Manual override Flow direction Applications apply Flow direction Applications Max. switching frequency Switching time off Switching time ore Switching time reversal Max. negative test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Pilot acquared Piston gate valve Mechanical spring Mechanical spring Mechanical spring Mechanical spring Methanical spring Mith flow control option With flow control option With flow control option Optional Mith flow control option Soft Optional Mith flow control option Optional Mith flow control option Soft Mith flow control option Optional Mith flow control option Soft Methanical spring Methanical spring Methanical spring Mechanical spring Mecha | Operating voltage | 24V DC |
| Fype of reset Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Type of piloting Pilot air supply External Flow direction Reversible App Overlap Pilot pressure 3 a bar10 bar Switching frequency 3 Hz Switching time off Switching time reversal Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data 41 mm Mechanical spring 12 mm Mith flow control option With flow control option With flow control option Soft Optional Non-detenting Pilot actuated Pilot actuat | Operating pressure | |
| Nominal size 12 mm 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Ap Overlap Pilot pressure 0.3 MPa1 MPa 3 bar10 bar Max. switching frequency Switching time off Switching time on Switching time reversal Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Permissible voltage fluctuations 12 mm 41 mm 42 mm 41 mm 42 mm 43 mm 5oft Optional Non-detenting Pilot actuated Pilot actuated Polit actuated Overlap Overlap Overlap 0.3 MPa1 MPa 3 bar10 bar 3 Hz Switching frequency 3 Hz Switching time off 87 ms Switching time on 35 ms Switching time reversal 75 ms Max. positive test pulse with 1 signal 3700 µs Characteristic coil data 44 V DC: 2.5 W Permissible voltage fluctuations +/-10 % | Design | Piston gate valve |
| Fird dimension Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Floye of piloting Pilot actuated Pilot are supply External Reversible ap Overlap Pilot pressure O.3 MPa1 MPa 3 bar10 bar Max. switching frequency 3 Hz Switching time off Switching time on Switching time reversal Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data 41 mm With flow control option With flow control option Soft Soft With flow control option Soft Swaral And. Soft With flow control option Soft And. Soft With flow control option Soft And. | Type of reset | Mechanical spring |
| Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Mounting politoring Pilot actuated Pilot actuated External Flow direction Reversible App Overlap Pilot pressure O3 MPa1 MPa 3 bar10 bar Max. switching frequency 3 Hz Switching time off 87 ms Switching time on 35 ms Switching time reversal Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Permissible voltage fluctuations With flow control option Soft Option Soft Non-detenting Pilot actuated External Faversible Overlap Overlap Overlap Overlap Oswitching Sowitching time off Somitant of the some off S | Nominal size | 12 mm |
| Sealing principle Mounting position Manual override Non-detenting Type of piloting Pilot actuated Pilot a | Grid dimension | 41 mm |
| Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot actuated Pilot air supply External Flow direction Reversible Joverlap Pilot pressure 0.3 MPa1 MPa 3 bar10 bar Max. switching frequency 3 Hz Switching time off 87 ms Switching time on 35 ms Switching time reversal 75 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse with 1 signal 3700 µs Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations 4/-10 % | Exhaust-air function | With flow control option |
| Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Joerlap Pilot pressure Joerlap Pilot pressure Joerlap Switching frequency Japan Switching time off Somition Switching time reversal Toerlap Toerla | Sealing principle | Soft |
| Figure of piloting Pilot actuated Pilot actuated Pilot air supply External Reversible Re | Mounting position | optional |
| Pilot air supply External Flow direction Reversible Iap Overlap Pilot pressure O.3 MPa1 MPa 3 bar10 bar Max. switching frequency 3 Hz Switching time off 87 ms Switching time on 35 ms Switching time reversal 75 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse with 1 signal Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations +/- 10 % | Manual override | Non-detenting |
| Reversible Overlap Pilot pressure O.3 MPa1 MPa 3 bar10 bar Max. switching frequency 3 Hz Switching time off 87 ms Switching time on 35 ms Switching time reversal 75 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse with 1 signal Characteristic coil data Permissible voltage fluctuations Reversible Overlap 0.3 MPa1 MPa 3 bar10 bar 87 ms 87 ms 87 ms 92 ms 94 V DC: 2.5 W 96 Permissible voltage fluctuations Portage Permissible voltage fluctuations | Type of piloting | Pilot actuated |
| Overlap Pilot pressure O.3 MPa1 MPa 3 bar10 bar Max. switching frequency 3 Hz Switching time off 87 ms Switching time on 35 ms Switching time reversal 75 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Permissible voltage fluctuations Overlap Overl | Pilot air supply | External |
| Pilot pressure 0.3 MPa1 MPa 3 bar10 bar Max. switching frequency 3 Hz Switching time off 87 ms Switching time on 35 ms Switching time reversal 75 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse with 1 signal 24 V DC: 2.5 W Permissible voltage fluctuations | Flow direction | Reversible |
| 3 bar10 bar Max. switching frequency 3 Hz Switching time off 87 ms Switching time on 35 ms Switching time reversal 75 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse with 1 signal 3700 µs Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations +/- 10 % | lap | Overlap |
| Switching time off 87 ms Switching time on 35 ms Switching time reversal 75 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse with 1 signal 3700 µs Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations +/- 10 % | Pilot pressure | |
| Switching time on 35 ms Switching time reversal 75 ms Max. positive test pulse with 0 signal 2200 µs Max. negative test pulse with 1 signal 3700 µs Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations +/- 10 % | Max. switching frequency | 3 Hz |
| Switching time reversal 75 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal 3700 µs Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations +/- 10 % | Switching time off | 87 ms |
| Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations +/- 10 % | Switching time on | 35 ms |
| Max. negative test pulse with 1 signal 3700 μs Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations +/- 10 % | Switching time reversal | 75 ms |
| Characteristic coil data 24 V DC: 2.5 W Permissible voltage fluctuations +/- 10 % | Max. positive test pulse with 0 signal | 2200 µs |
| Permissible voltage fluctuations +/- 10 % | Max. negative test pulse with 1 signal | 3700 μs |
| 1 | Characteristic coil data | 24 V DC: 2.5 W |
| Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] | Permissible voltage fluctuations | +/- 10 % |
| | Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|------------------------------------|--|
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -40 °C60 °C |
| Media temperature | -5 °C50 °C |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C50 °C |
| Product weight | 1000 g |
| Type of mounting | Either: On PR rail With through-hole |
| Auxiliary pilot air port 12 | G1/8 |
| Auxiliary pilot air port 14 | G1/8 |
| Pilot exhaust port 82 | M5 |
| Pilot exhaust port 84 | M5 |
| Pilot air port 12 | G1/8 |
| Pilot air port 14 | G1/8 |
| Pneumatic connection, port 1 | G3/8 |
| Pneumatic connection, port 2 | G3/8 |
| Pneumatic connection, port 3 | G3/8 |
| Pneumatic connection, port 4 | G3/8 |
| Pneumatic connection, port 5 | G3/8 |
| Note on materials | RoHS-compliant |
| Material seals | NBR |
| Material housing | Die-cast aluminium |