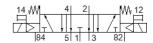
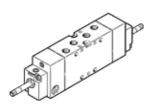
solenoid valve MFH-5/3E-1/8-B Part number: 30483 Classic - do not use for new projects

With manual override, without solenoid coil or socket. Solenoid coil and socket should be ordered separately.

Modern alternatives can be found by entering the first four characters of the type code in the search field.



FESTO



Data sheet

| Valve function 5/3 exhausted | Feature | Value |
|--|---|--|
| Width 26 mm 1,000 l/min | Valve function | 5/3 exhausted |
| Standard nominal flow rate Operating pressure MPa Operating pressure Operating pressure Design structure Piston slide Type of reset Mendanistse Brim Sealing principle Soft Any Manual override Pushing Pilot ari supply Internal Flow direction Overlap Switching time off Switching time or Switching time erversal Max. positive test pulse with logic 0 Apx. againve test pulse with logic 1 Operating medium Corrosion resistance classification CRC PISTO or Formity Corrosion resistance classification CRC Ambient temperature Ambient temperature Flow design and proper test And Score Medium temperature -1060 °C -10. Ambient connection, port 2 -10. Ambient connection, port 2 -10. Ambient connection, port 3 -10. Ambient connection, port 4 -10. Ambient connection, port 5 -10. Ambie | Type of actuation | electrical |
| Operating pressure MPa Operating pressure Operating pressure Operating pressure Piston slide Type of reset Nominal size Sealing principle soft Assembly position Any Manual override Pitoting Piloting Positive overlap Max. wilching frequency Switching time of 20 ms Switching time off 20 ms Switching time reversal 24 ms Max. positive test pulse with logic 0 2,200 µs Max. negative test pulse with logic 1 3,700 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Uniciated operation possible (subsequently required for further operation) Piloting time on Corrosion resistance classification CRC 1 - Low corrosion stress PWIS conformity VDMA2/364-B1/B2-L Storage temperature 40 60 °C Medium temperature 40 60 °C Product weight 400 g Electrical connection Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 M5 Pilot exhaust port 82 M5 Pilot exhaust port 84 Pheumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | Width | 26 mm |
| Design structure | Standard nominal flow rate | 1,000 l/min |
| Design structure | Operating pressure MPa | 0.3 1 MPa |
| Design structure Piston slide Type of reset mechanical spring Mominal size 8 mm Saling principle Soft Assembly position Any | Operating pressure | 3 10 bar |
| Nominal size S. mm Sealing principle Soft | | Piston slide |
| Sealing principle Assembly position Anny Annual override Type of piloting Plotted Plotted Pilot air supply Internal Flow direction Overlap Positive overlap Ass. writching frequency Ass. writching frequency Ass. writching time off Desirive overlap Ass. writching time off Ass. writching time on Ass. writching time on Ass. positive test pulse with logic 0 Ass. positive test pulse with logic 1 Ass. positive overlap Ass. positive verlap Ass. positive overlap Ass. positive verlap As. | Type of reset | mechanical spring |
| Assembly position Manual override Pushing Type of piloting Pilot air supply Internal Overlap Nax. switching frequency Switching frequency Switching time off Switching time off Switching time reversal Ax. positive test pulse with logic 0 Ax. positive test pulse with logic 1 Operating medium Note on operating and pilot medium Corrosion resistance classification CRC PMS confirmity Storage temperature Ambient temperature Ambient temperature Ambient temperature Ambient temperature Ambient temperature Flow corrosion serves the supplication of th | Nominal size | 8 mm |
| Manual override Type of piloting Pilot air supply Internal Flow direction Overlap Max. switching frequency Switching time off Switching time off Switching time off Switching time reversal Max. positive test pulse with logic 0 Max. negative test pulse with logic 0 Max. negative test pulse with logic 1 Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress PWIS conformity Storage temperature 4-060 °C Medium temperature 4-060 °C Mediu | Sealing principle | soft |
| Type of piloting Piloted Pilot air supply Internal Pilot air supply Internal Plot direction non reversible Overlap Positive overlap Max. switching frequency 3 Hz Switching fime off 20 ms Switching time off 20 ms Switching time on 21 ms Switching time reversal 24 ms Max. positive test pulse with logic 0 2,200 µs Max. negative test pulse with logic 1 3,700 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1- Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature 40 60 °C Medium temperature -10 60 °C Medium temperature -10 60 °C Medium temperature -5 40 °C Product weight 400 g Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 M5 Pilot exhaust port 82 M5 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 | Assembly position | Any |
| Pilot air supply Internal Flow direction non reversible Overlap Positive overlap Max. switching frequency 3 Hz Switching time off 20 ms Switching time off 21 ms Switching time reversal 24 ms Max. positive test pulse with logic 0 2,200 μs Max. negative test pulse with logic 1 3,700 μs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Medium temperature -10 60 °C Ambient temperature -5 40 °C Product weight 400 g Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | Manual override | Pushing |
| Flow direction Overlap Positive overlap Positive overlap Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 21 ms Switching time on 22 tms Switching time reversal Ax. positive test pulse with logic 0 2,200 µs Max. negative test pulse with logic 1 3,700 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium corrosion resistance classification CRC 1 · Low corrosion stress PMIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Ambient temperature -5 40 °C Ambient temperature -5 40 °C Product weight Electrical connection Wounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pneumatic connection, port 1 Fneumatic connection, port 2 Fneumatic connection, port 4 Fneumatic connection, port 4 Fneumatic connection, port 5 G1/8 Fneumatic connection, port 5 G1/8 Fneumatic connection, port 5 G1/8 Fneumatic connection, port 5 | Type of piloting | Piloted |
| Flow direction Overlap Positive overlap Positive overlap Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 21 ms Switching time on 22 tms Switching time reversal Ax. positive test pulse with logic 0 2,200 µs Max. negative test pulse with logic 1 3,700 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium corrosion resistance classification CRC 1 · Low corrosion stress PMIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Ambient temperature -5 40 °C Ambient temperature -5 40 °C Product weight Electrical connection Wounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pneumatic connection, port 1 Fneumatic connection, port 2 Fneumatic connection, port 4 Fneumatic connection, port 4 Fneumatic connection, port 5 G1/8 Fneumatic connection, port 5 G1/8 Fneumatic connection, port 5 G1/8 Fneumatic connection, port 5 | Pilot air supply | Internal |
| Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 21 ms Switching time reversal 24 ms Max. positive test pulse with logic 0 2,200 μs Max. negative test pulse with logic 1 3,700 μs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 · Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Medium temperature -10 60 °C Ambient temperature -5 40 °C Product weight 400 g Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 M5 Pilot exhaust port 84 M5 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, por | Flow direction | non reversible |
| Switching time off Switching time on 21 ms Switching time reversal 24 ms Axa. positive test pulse with logic 0 2,200 µs Axa. negative test pulse with logic 1 3,700 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 · Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Ambient temperature -5 40 °C Product weight Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | Overlap | Positive overlap |
| Switching time off Switching time on Switching time on Switching time reversal Aux. positive test pulse with logic 0 Aux. negative test pulse with logic 1 Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Ambelium temperature -10 60 °C Ambelium temperature -5 40 °C Product weight Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 | Max. switching frequency | 3 Hz |
| Switching time on 21 ms Switching time reversal 24 ms Max. positive test pulse with logic 0 2,200 µs Max. negative test pulse with logic 1 3,700 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 · Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Ambient temperature -10 60 °C Ambient temperature -5 40 °C Product weight 400 g Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 M5 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | | 20 ms |
| Switching time reversal Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Operating medium Note on operating and pilot medium Corrosion resistance classification CRC PWIS conformity Storage temperature Medium temperature And "C Ambient temperature Product weight Electrical connection Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | | |
| Max. positive test pulse with logic 02,200 μsMax. negative test pulse with logic 13,700 μsOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Corrosion resistance classification CRC1 · Low corrosion stressPWIS conformityVDMA24364-B1/B2-LStorage temperature-40 60 °CMedium temperature-10 60 °CAmbient temperature-5 40 °CProduct weight400 gElectrical connectionVia F coil, must be ordered separatelyMounting typeOn PR manifold with through hole OptionalPilot exhaust port 82M5Pilot exhaust port 84M5Pneumatic connection, port 1G1/8Pneumatic connection, port 2G1/8Pneumatic connection, port 3G1/8Pneumatic connection, port 4G1/8Pneumatic connection, port 5G1/8 | | 24 ms |
| Max. negative test pulse with logic 1 Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Medium temperature -10 60 °C Ambient temperature -5 40 °C Product weight 400 g Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Phoeumatic connection, port 1 Filot exhaust port 84 Pneumatic connection, port 2 Filot exhaust connection, port 3 Filot exhaust connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | | 2,200 μs |
| Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Medium temperature -10 60 °C Ambient temperature -5 40 °C Product weight 400 g Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 M5 Pilot exhaust port 84 M5 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 | | 3,700 μs |
| Note on operating and pilot medium Corrosion resistance classification CRC 1 - Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Ambient temperature -5 40 °C Product weight Electrical connection Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | · | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| operation) Corrosion resistance classification CRC 1 - Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -40 60 °C Medium temperature -10 60 °C Ambient temperature -5 40 °C Product weight 400 g Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 M5 Pilot exhaust port 84 M5 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | | , |
| PWIS conformity Storage temperature -40 60 °C Medium temperature -10 60 °C Ambient temperature -5 40 °C Product weight Electrical connection Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | | |
| Storage temperature Medium temperature -40 60 °C Ambient temperature -5 40 °C Product weight Electrical connection Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | Corrosion resistance classification CRC | 1 - Low corrosion stress |
| Medium temperature Ambient temperature Product weight Electrical connection Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature Product weight 400 g Electrical connection Via F coil, must be ordered separately Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 M5 Pilot exhaust port 84 M5 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | Storage temperature | -40 60 °C |
| Product weight Electrical connection Via F coil, must be ordered separately On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 | Medium temperature | -10 60 °C |
| Electrical connection Via F coil, must be ordered separately On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 | Ambient temperature | -5 40 °C |
| Mounting type On PR manifold with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 | Product weight | 400 g |
| with through hole Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 | Electrical connection | Via F coil, must be ordered separately |
| Optional Pilot exhaust port 82 Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 Optional M5 M5 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 | Mounting type | On PR manifold |
| Pilot exhaust port 82 M5 Pilot exhaust port 84 M5 Pneumatic connection, port 1 G1/8 Pneumatic connection, port 2 G1/8 Pneumatic connection, port 3 G1/8 Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 | | with through hole |
| Pilot exhaust port 84 Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | | Optional |
| Pneumatic connection, port 1 Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 | Pilot exhaust port 82 | M5 |
| Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 | Pilot exhaust port 84 | M5 |
| Pneumatic connection, port 2 Pneumatic connection, port 3 Pneumatic connection, port 4 Pneumatic connection, port 5 G1/8 Pneumatic connection, port 5 G1/8 | Pneumatic connection, port 1 | G1/8 |
| Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 | , | |
| Pneumatic connection, port 4 G1/8 Pneumatic connection, port 5 G1/8 | Pneumatic connection, port 3 | G1/8 |
| Pneumatic connection, port 5 G1/8 | · · · · · · · · · · · · · · · · · · · | |
| ' ' | , | |
| | Materials note | Conforms to RoHS |
| Material seals NBR | Material seals | NBR |
| Material housing Aluminium die cast | Material housing | Aluminium die cast |