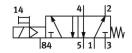
Solenoid valve MFH-5-3/8-B Part number: 19705

FESTO





General operating condition

Data sheet

Valve function 5/2-way, monostable Type of actuation Electric Construction width 40 mm Standard nominal flow rate (standardised to DIN 1343) 2000 l/min pneumatic working port G3/8 Operating pressure 0.25 MPa 1 MPa Operating pressure 2.5 bar 10 bar Design Piston gate valve Type of reset Mechanical spring Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 Iap Overlap	Feature	Value
Construction width Standard nominal flow rate (standardised to DIN 1343) pneumatic working port Operating pressure O25 MPa 1 MPa Operating pressure 2.5 bar 10 bar Design Piston gate valve Type of reset Mechanical spring Nominal size Grid dimension Exhaust-air function Sealing principle Mounting position Manual override Mounting position Manual override Pilot actuated Pilot ar supply Internal Flow direction Some Aunual overlap Overlap Overlap	Valve function	5/2-way, monostable
Standard nominal flow rate (standardised to DIN 1343) pneumatic working port G3/8 Operating pressure O2.5 MPa 1 MPa 2.5 bar 10 bar Design Piston gate valve Type of reset Mechanical spring Nominal size 12 mm Grid dimension Exhaust-air function Sealing principle Soft Mounting position Manual override Type of piloting Pilot actuated Pilot air supply Internal Flow direction Symbol Overlap Overlap	Type of actuation	Electric
pneumatic working port Operating pressure Octoberating pressure Operating pressure Operating pressure Operating pressure Operating pressure 2.5 bar 10 bar Design Piston gate valve Type of reset Mechanical spring 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 Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol Overlap Overlap	Construction width	40 mm
Operating pressure 0.25 MPa 1 MPa Operating pressure 2.5 bar 10 bar Design Piston gate valve Type of reset Mechanical spring Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 lap Overlap	Standard nominal flow rate (standardised to DIN 1343)	2000 l/min
Operating pressure 2.5 bar 10 bar Design Piston gate valve Type of reset Mechanical spring Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 lap Overlap	pneumatic working port	G3/8
Design Piston gate valve Type of reset Mechanical spring Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 lap Overlap	Operating pressure	0.25 MPa 1 MPa
Type of reset Mechanical spring Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 lap Overlap	Operating pressure	2.5 bar 10 bar
Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 Iap Overlap	Design	Piston gate valve
Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 lap Overlap	Type of reset	Mechanical spring
Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 Iap Overlap	Nominal size	12 mm
Sealing principle Soft Mounting position Optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol O0991035 lap Overlap	Grid dimension	41 mm
Mounting position optional Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 Iap Overlap	Exhaust-air function	With flow control option
Manual override Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol O0991035 lap Overlap	Sealing principle	Soft
Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 Iap Overlap	Mounting position	optional
Pilot air supply Internal Flow direction Non-reversible Symbol 00991035 lap Overlap	Manual override	Non-detenting
Flow direction Non-reversible Symbol 00991035 lap Overlap	Type of piloting	Pilot actuated
Symbol 00991035 lap Overlap	Pilot air supply	Internal
lap Overlap	Flow direction	Non-reversible
	Symbol	00991035
	lap	Overlap
Max. switching frequency 3 Hz	Max. switching frequency	3 Hz
Switching time off 56 ms	Switching time off	56 ms
Switching time on 20 ms	Switching time on	20 ms
Max. positive test pulse with 0 signal 2200 μs	Max. positive test pulse with 0 signal	2200 μs
Max. negative test pulse with 1 signal 3700 μs	Max. negative test pulse with 1 signal	3700 μs
Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]	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 wil always be required)	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	Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity VDMA24364-B1/B2-L	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature -40 °C 60 °C	Storage temperature	-40 °C 60 °C
Media temperature -10 °C 60 °C	Media temperature	-10 °C 60 °C
Ambient temperature -5 °C 40 °C	Ambient temperature	-5 °C 40 °C
Product weight 630 g	Product weight	630 g
Electrical connection Via F coil, to be ordered separately	Electrical connection	Via F coil, to be ordered separately

Feature	Value
Type of mounting	Either: On PR rail With through-hole
Pilot exhaust port 84	M5
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