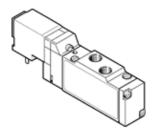
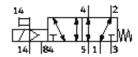
solenoid valve MEH-5/2-1/8-P-S-I-B Part number: 173405

FESTO

Midi Pneumatic, with solenoid coil and manual override, without socket.





Data sheet

Valve function 5/2 monostable	Feature	Value
Width 17.8 mm 600 l/min	Valve function	5/2 monostable
Standard nominal flow rate Operating pressure Design structure Piston slide Type of reset Authorisation Protection class IP65 Nominal size Sealing principle Assembly position Manual override Type of piloting Pilot af rupply Flow direction Overlap Divide pressure Divide protection protection by Divide protection Divide protection protection Divide Divide Protection Divide Protection Divide Divide Protection Divide Protection Divide D	Type of actuation	electrical
Design pressure Design structure Piston slide Protection class IP65 Authorisation CUL us - Recognized (OL) Protection class IP65 Nominal size S 5 mm Grid dimension 18 mm Exhaust-air function Sealing principle With accessories, detenting Pilot air supply Pilot air supply Pilot air supply Pilot air supply Pilot pressure Design of Board Device Solition Switching time off Soms Switching time off Switching time of	Width	17.8 mm
Design structure Type of reset Mechanical spring Authorisation C UL us - Recognized (OL) Protection class IP65 Nominal size 5 mm Grid dimension 18 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override With accessories, detenting Type of piloting Pilot air supply Flow direction Protection	Standard nominal flow rate	600 l/min
Design structure Type of reset Mechanical spring Authorisation C UL us - Recognized (OL) Protection class IP65 Nominal size 5 mm Grid dimension 18 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override With accessories, detenting Type of piloting Pilot air supply Flow direction Protection	Operating pressure	-0.9 10 bar
Authorisation C UL us - Recognized (OL) Protection class IP65 Nominal size 5 mm Grid dimension 18 mm Exhaust-air function 5 soft Assembly position Any Manual override With accessories, detenting Pilotari supply Flooting Pilotari supply Flow direction Positive overlap Pilot pressure 3 6 bar D value 0.36 C value 0.36 Switching time off 50 ms Switching time off 50 ms Switching time off 20 ms Duty cycle 100 % Characteristic coil data 24 V Dc 0.95 W Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in severity level 1 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Storage temperature -20 40 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Compressigne the pressure -20 40 °C Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-2 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Foduct weight 105 g Electrical connection Plug Pure for further operation pattern type C to industry standard, 9.4 mm Plug Connection pattern type C to industry standard, 9.4 mm Plug Connection pattern type C to industry standard, 9.4 mm Plug Connection pattern type C to industry standard, 9.4 mm Plug Current pattern type C to industry standard, 9.4 mm Plug Current pattern type C to industry standard, 9.4 mm Plug Current pattern type C to industry standard, 9.4 mm Plug Current pattern type C to industry standard, 9.4 mm Plug Current pattern type C to industry standard, 9.4 mm Plug Current pattern type C to industry standard,		Piston slide
Protection class Nominal size 5 mm Grid dimension 18 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override Type of piloting Pilot air supply Flow direction Dverlap Positive overlap Pilot pressure Dvalue Dvalue Dvalue Duty cycle Duty cycle Duty cycle Draracteristic coil data Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Shock resistance Shock resistance Dvalue D	Type of reset	mechanical spring
Nominal size Grid dimension 18 mm Khausta in function throttleable Sealing principle Soft Assembly position Any Manual override With accessories, detenting Piloted Pilot air supply Piloted Pilot air supply Pilot direction Reversible Overlap Positive overlap Positive overlap Pilot pressure 3 6 bar b value 0.36 C value 0.36 Switching time on Duty cycle Characteristic coil data Detracteristic coil data Detracteristic coil data Detracteristic coil data Detracteristic coil data Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Urbiration resistance Finch the swerty level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock resistance classification CRC 2 - Moderate corrosion stress Storage temperature 9-20 40°C Sound pressure level Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 9-5 50°C Sound pressure level Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 9-5 50°C Fonduct weight Connection pattern type C to industry standard, 9.4 mm Plug Plug Plug Plug Pilot medium Connection pattern type C to industry standard, 9.4 mm Plug	Authorisation	c UL us - Recognized (OL)
Grid dimension Exhaust-air function Exhaust-air function Exhaust-air function Any Assembly position Any Manual override Pilot air supply Flow direction Overlap Pilot persure Pilot	Protection class	IP65
Exhaust-air function Sealing principle Assembly position Manual override With accessories, detenting Piloted Pilot air supply Flow direction Overlap Pilot pressure Divalue Calue Calue Calue Calue Characteristic coil data Operating medium Note on operating and pilot medium Vibration resistance Shock resistance Shock resistance Shock sest with severity level 1 in accordance with FN 942017-5 and EN 6008-2-27 Corrosion resistance classification CRC Sound pressure level Product weight Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 75 dB(A) Compressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with FN 942017-5 and EN 6008-2-27 Corrosion resistance classification CRC Corrosion resistance classification CRC Storage temperature -2040 °C Medium temperature -550 °C Sounection pattern type C to industry standard, 9.4 mm Plug Plug Connection pattern type C to industry standard, 9.4 mm Plug Plug Connection pattern type C to industry standard, 9.4 mm Plug Plug	Nominal size	5 mm
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Assembly position Manual override Type of piloting Piloted With accessories, detenting Piloted Pilot air supply external Flow direction Positive overlap Pilot pressure 3 6 bar b value 0.36 C value 2.55 l/sbar Switching time off So ms Switching time off So ms Switching time off 20 ms Duty cycle 100 % Characteristic coil data 24 V DC: 0.95 W Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level Product weight 105 g Electrical connection Any Plug With accessories, detenting With accessories, detenting With accessories, detenting Piloted with accessories, detenting Piloted With accessories, detenting Piloted Any Piloted Any Piloted With accessories, detenting Piloted Any Piloted With accessories, detenting Piloted Any Piloted With accessories, detenting Piloted With accessories, detenting Piloted With accessories, detenting Piloted With accessories, detenting Piloted With accessible Positive overlap Piloted Any Piloted With accessible Positive overlap Piloted With accessories Positive overlap Piloted With accessible Positive overlap Positive overlap Piloted With accessible Positive overlap Positive overlap Pilote overlap Piloted With accessible Positive overlap Piloted With accessible Positive overlap Positive overlap Pilote overlap Pi	Exhaust-air function	throttleable
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Manual override Type of piloting Piloted Pilot air supply Pilot air supply Positive overlap	=	Any
Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Positive overlap Positive overlap Positive overlap Positive overlap Positive overlap Pilot pressure 3 6 bar 0 .36 C value 0.36 C value 2.55 l/sbar Switching time off So ms Switching time on 20 ms Duty cycle 100 % Characteristic coil data 24 V DC: 0.95 W 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) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Plug	• •	with accessories, detenting
Pilot air supply external	Type of piloting	-
Flow direction reversible Overlap Positive overlap Plot pressure 3 6 bar b value 0.36 C value 2.55 l/sbar Switching time off 50 ms Switching time on 20 ms Duty cycle 100 % Characteristic coil data 24 V DC: 0.95 W 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) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105g Electrical connection Pattern type C to industry standard, 9.4 mm Plug	77 7 =	external
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b value 0.36 C value 2.55 I/sbar Switching time off 50 ms Switching time of 20 ms Duty cycle 100 % Characteristic coil data 24 V DC: 0.95 W 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) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 · Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Connection pattern type C to industry standard, 9.4 mm Plug	Overlap	Positive overlap
b value 0.36 C value 2.55 I/sbar Switching time off 50 ms Switching time of 20 ms Duty cycle 100 % Characteristic coil data 24 V DC: 0.95 W 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) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 · Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Connection pattern type C to industry standard, 9.4 mm Plug	•	· · · · · · · · · · · · · · · · · · ·
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60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Connection pattern type C to industry standard, 9.4 mm Plug	Vibration resistance	
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Storage temperature -20 40 °C Medium temperature -5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Connection pattern type C to industry standard, 9.4 mm Plug	Corrosion resistance classification CRC	2 - Moderate corrosion stress
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Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Connection pattern type C to industry standard, 9.4 mm Plug		-5 50 °C
Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 105 g Electrical connection Connection pattern type C to industry standard, 9.4 mm Plug	•	
Ambient temperature -5 50 °C Product weight 105 g Electrical connection Connection pattern type C to industry standard, 9.4 mm Plug		• •
Product weight 105 g Electrical connection Connection pattern type C to industry standard, 9.4 mm Plug		
Electrical connection Connection pattern type C to industry standard, 9.4 mm Plug	· · · · · · · · · · · · · · · · · · ·	
Plug	3	
Leavier agaign		_ =
Mounting type on manifold rail	Mounting type	



Feature	Value
Pilot exhaust port 82/84	Sub-base
Pilot air port 12	M3
Pneumatic connection, port 1	Sub-base Sub-base
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	Sub-base Sub-base
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	Sub-base Sub-base
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast