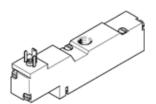
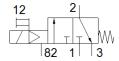
## solenoid valve MEBH-3/2-1/8-P-B-110AC Part number: 173056

**FESTO** 

With solenoid coil and manual override, without plug socket.





## **Data sheet**

Valve function Type of actuation Valve function Seling principle Seling pr	Feature	Value
Midth	Valve function	3/2 closed, monostable
Standard nominal flow rate Operating pressure Design structure Piston slide Type of reset Authorisation CE mark (see declaration of conformity) to EU directive low-voltage devices Protection class IP65 Smm Grid dimension Behaustair function Sealing principle Soft Assembly position Any Assembly position Any Assembly position Any Assembly position Apperating any principle Type of piloting Pilot air supply Internal Brow fleetion Internal Devalue Overlap Devalue Overlap Devalue Overlap Devalue Overlap Divide Switching time off Switching time off Switching time off Operating medium Operating medium Operating medium Operating medium Operating medium Operating and pilot medium Operating resistance Shock resistance  Shock resistance  Overlap Overlap Overlap Operating medium Operating medium Operating and pilot medium Operating medium Operating resistance Operating and pilot medium Operating resistance Overlap Overlap Overlap Overlap Overlap Overlap Overlap Overlap Operating medium Operating and pilot medium Operating and pilot medium Operating resistance Overlap	Type of actuation	electrical
Operating pressure         2 8 bar           Design structure         Piston silde           Type of reset         mechanical spring           Authorisation         cUL us - Recognized (OL)           CE mark (see declaration of conformity)         to EU directive low-voltage devices           Protection class         IP65           Nominal size         5 mm           Grid dimension         18 mm           Exhaust-air function         throttleable           Sealing principle         soft           Assembly position         Any           Manual override         with accessories, detenting           Type of piloting         Piloted           Plot air supply         Internal           Flow direction         non reversible           Overlap         Positive overlap           b value         0.36           C value         2.55 l/sbar           Switching time off         28 ms           Switching time of         10 ms           Switching time of         10 ms           Switching time on         10 ms           Duty cycle         100 %           Characteristic coil data         110 VAC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA           Operating medium	Width	17.8 mm
Design structure Type of reset mechanical spring Authorisation c UL us - Recognized (OU) CE mark (see declaration of conformity) to EU directive low-voltage devices Protection class P65 Nominal size 5 mm Grid dimension 18 mm Ekshaust-air function throttleable Sealing principle Assembly position Any Manual override with accessories, detenting Type of piloting Pilot air supply Internal Flow direction non reversible Overlap by alue 0.36 C value 0.05 Switching time off 0.10 ms Duty cycle 1.00 % Characteristic coil data 1.10 VAC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium vibration resistance Transport application test at severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature Medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Reflection Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Storage temperature 2 - Moderate corrosion stress Storage temperature 3 - S. 50 °C Medium temperature 4 - S. 50 °C Medium temperature 5 - S. 50 °C Medium temperature 9 - S. 50 °C Flood of the Tr5301-803 Plug Better type C to EN 175301-803 Plug Better type C to EN 175301-803	Standard nominal flow rate	600 l/min
Type of reset Authorisation C UL us - Recognized (OL) CE mark (see declaration of conformity) to EU directive low-voltage devices Protection class IP65 Nominal size S mm Grid dimension 18 mm Exhaust-air function Exhaust-air function Sealing principle Soft Assembly position Any Manual override Type of piloting Pilot air supply Internal Flow direction Overlap Dividue Overlap Overlap Dividue Overlap Overla	Operating pressure	2 8 bar
Authorisation c UL us - Recognized (OL) CE mark (See declaration of conformity) to EU directive low-voltage devices Protection class IP65 Nominal size S mm Grid dimension 18 mm Ekhaust-air function throttleable Sealing principle	Design structure	Piston slide
CE mark (see declaration of conformity) Protection class IP65 S mm  Grid dimension IR mm Exhaust-air function Exhaust-air function Sealing principle Soft Assembly position Any Manual override With accessories, detenting Piloted Pi	Type of reset	mechanical spring
Protection class Nominal size S mm Grid dimension 18 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override Type of piloting Pilot air supply Internal Flow direction Overlap Davidue C value Switching time off Duty cycle C haracteristic coil data Ouperating medium Noperating and pilot medium Vibration resistance Shock resistance Shock resistance Shock resistance Corrosion resistance classification CRC Storage temperature Sound pressure level Find temperature Frouduct weight Sealing Any Flugate runp of the Sing Sing Sing Sing Sing Sing Sing Sing	Authorisation	c UL us - Recognized (OL)
Nominal size Grid dimension 18 mm Khaust-air function throttleable Sealing principle Sealing principle Soft Assembly position Any Manual override With accessories, detenting Type of piloting Pilototing Pilotot	CE mark (see declaration of conformity)	to EU directive low-voltage devices
Grid dimension 18 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override with accessories, detenting Type of piloting Piloted Piloted Pilot air supply Internal Flow direction non reversible Overlap Positive overlap Overlap Positive overlap Overlap O.36 Cvalue 0.36 Cvalue 0.35 l/sbar Switching time off 28 ms Switching time off 100 % Switching time off 100 % Characteristic coil data 100 VAC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium University and EN 60068-2-6 Shock resistance Shock resistance 2-0 40 °C Corrosion resistance classification CRC Storage temperature 2-0 40 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Abient temperature 5 50 °C Sound pressure level 75 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Flow of the medium	Protection class	IP65
Exhaust-air function throttleable soft soft soft soft sassembly position Any Manual override with accessories, detenting Type of piloting Pilot air supply Internal Plow direction non reversible non reversible Overlap Positive O	Nominal size	5 mm
Sealing principle Assembly position Any Manual override With accessories, detenting Type of piloting Piloted Pilot air supply Pilot air supply Positive overlap Positive overlap Develap Devel	Grid dimension	18 mm
Assembly position Manual override With accessories, detenting Type of piloting Piloted Pilot air supply Internal Flow direction Overlap Positive overlap Dvalue O.36 C value Switching time off Switching time on Duty cycle Characteristic coil data Operating medium Note on operating and pilot medium Ubration resistance Shock resistance Shock resistance Shock resistance Shock sessification CRC Storage temperature Medium temperature Medium temperature Medium temperature Sound pressure level Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Sound pressure level Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Sound pressure level T5 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 5 50 °C Product weight Electrical connection Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803	Exhaust-air function	throttleable
Assembly position Manual override With accessories, detenting Type of piloting Piloted Pilot air supply Internal Flow direction Overlap Positive overlap Dvalue O.36 C value Switching time off Switching time on Duty cycle Characteristic coil data Operating medium Note on operating and pilot medium Ubration resistance Shock resistance Shock resistance Shock resistance Shock sessification CRC Storage temperature Medium temperature Medium temperature Medium temperature Sound pressure level Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Sound pressure level Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Sound pressure level T5 dB(A) Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 5 50 °C Product weight Electrical connection Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803	Sealing principle	soft
Manual override Type of piloting Pilot air supply Internal Flow direction Overlap Devalue O.36 Cvalue O.36 Switching time off Switching time on Duty cycle Characteristic coil data Operating and pilot medium Overlap Notive overlap Overab Nibration resistance Shock resistance Shock resistance Shock resistance Storage temperature Medium temperature Source Sound pressure level Product weight Electrical connection Positive overlap Note on operating and pilot medium Overbape Note on operating and pilot medium Overbape Note on operating and pilot medium Overbape Note on operating overbape Note of Note overbape Note overlap Note overlap Note overlap Note Note Note Note Note Note Note Note		Any
Pilot air supply Flow direction  Overlap  Overlap  Destitive of Name overlap  Destitive of Name overlap  Destitive of Name over	• •	with accessories, detenting
Pilot air supply Flow direction  Overlap  Overlap  Destitive of Name overlap  Destitive of Name overlap  Destitive of Name over	Type of piloting	Piloted
Flow direction non reversible Overlap Positive overlap b value 0.36 Cvalue 2.55 l/sbar Switching time off 28 ms Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA 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 Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803		Internal
b value 0.36 C value 2.55 l/sbar Switching time off 28 ms Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA 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 60068-2-7 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 Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803		non reversible
b value 0.36 C value 2.55 l/sbar Switching time off 28 ms Switching time on 10 ms Duty cycle 100 % Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA 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 60068-2-7 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 Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803 Plug pattern type C to EN 175301-803	Overlap	Positive overlap
Switching time off  Switching time on  Duty cycle  100 %  Characteristic coil data  110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Uubricated 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  Pug pattern type C to EN 175301-803  Plug to EN 175301-803	b value	
Switching time off  Switching time on  Duty cycle  100 %  Characteristic coil data  110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Uubricated 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  Pug pattern type C to EN 175301-803  Plug to EN 175301-803	C value	2.55 l/sbar
Switching time on 10 ms  Duty cycle 100 %  Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA  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 Plug pattern type C to EN 175301-803  Plug  to EN 175301-803	Switching time off	
Duty cycle Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA 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 Lectrical connection Plug pattern type C to EN 175301-803 Plug to EN 175301-803		10 ms
Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressStorage temperature-20 40 °CMedium temperature-5 50 °CSound pressure level75 dB(A)Pilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 50 °CProduct weight105 gElectrical connectionPlug pattern type C to EN 175301-803 Plug to EN 175301-803		100 %
Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressStorage temperature-20 40 °CMedium temperature-5 50 °CSound pressure level75 dB(A)Pilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 50 °CProduct weight105 gElectrical connectionPlug pattern type C to EN 175301-803 Plug to EN 175301-803	Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA
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  Pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Ambient temperature  -5 50 °C  Product weight  Electrical connection  Plug pattern type C to EN 175301-803  Plug to EN 175301-803		
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  Plug pattern type C to EN 175301-803  Plug  to EN 175301-803	· -	Lubricated operation possible (subsequently required for further
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  Plug pattern type C to EN 175301-803  Plug  to EN 175301-803	Vibration resistance	
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 Plug pattern type C to EN 175301-803  Plug to EN 175301-803	Shock resistance	
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 Plug pattern type C to EN 175301-803  Plug to EN 175301-803	Corrosion resistance classification CRC	2 - Moderate corrosion stress
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  Plug pattern type C to EN 175301-803  Plug  to EN 175301-803		
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 pattern type C to EN 175301-803  Plug  to EN 175301-803		-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  Plug pattern type C to EN 175301-803  Plug  to EN 175301-803	,	
Ambient temperature  -5 50 °C  Product weight  105 g  Electrical connection  Plug pattern type C to EN 175301-803  Plug  to EN 175301-803	·	**
Product weight 105 g  Electrical connection Plug pattern type C to EN 175301-803 Plug to EN 175301-803		
Electrical connection Plug pattern type C to EN 175301-803 Plug to EN 175301-803		
Plug to EN 175301-803		9
to EN 175301-803	2. Cectificat Connection	
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I Cuhic decian		Cubic design



Feature	Value
Mounting type	on manifold rail
Pilot exhaust port 82/84	Sub-base
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	Sub-base
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast