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TECHNOLOGY GROUP

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We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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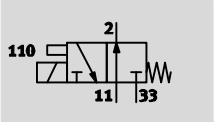
Find the *Festo MCH-3-1/8* at our website: ***Click HERE***

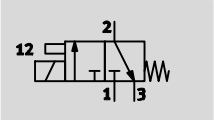
Directly actuated valves, 3/2-way solenoid valves

Technical data

FESTO

Function

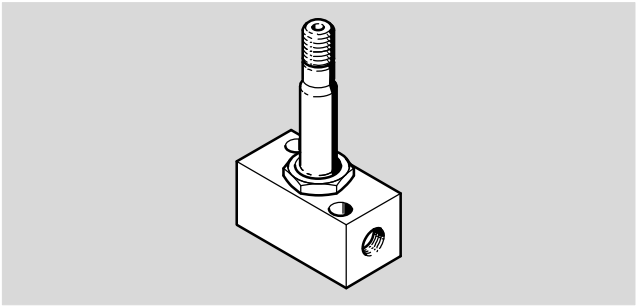




Flow rate
70 l/min
160 l/min

Temperature range
–5 … +40 °C

Pressure
0 … +7 bar



Operation with different pressures

Duty cycle	Reverse operation	Vacuum operation
Up to an operating pressure of 5.5 bar, 100 % duty cycle is permissible; for the pressure range 5.5 … 7 bar the value is reduced to 40 %.	Reverse operation is not possible; the direction of flow cannot be reversed.	Vacuum operation is not possible.

General technical data			
Type		MOCH-3-1/8	MCH-3-1/8
Valve function		3/2, normally open, single solenoid	3/2, normally closed, single solenoid
Design		Poppet valve with spring return	Poppet valve with spring return
Sealing principle		Soft	Soft
Reset method		Mechanical spring	Mechanical spring
Actuation type		Electric	Electric
Type of control		Direct	Direct
Direction of flow		Non-reversible	Non-reversible
Manual override		Detenting	Detenting
Nominal width	[mm]	2.5	2.5
Standard nominal flow rate	[l/min]	70	160
Type of mounting		Via through-holes	Via through-holes
Pneumatic port	1	G1/8	G1/8
	2	G1/8	G1/8
	3	G1/8	G1/8
Note on materials		RoHS-compliant	RoHS-compliant

Operating and environmental conditions		
Operating medium		Compressed air to ISO 8573-1:2010 [7:4:4]
Operating pressure	[bar]	0 … +7
Ambient temperature	[°C]	–5 … +40
Temperature of medium	[°C]	–10 … +60
Storage temperature	[°C]	–40 … +100
Certification		c CSA us (OL)

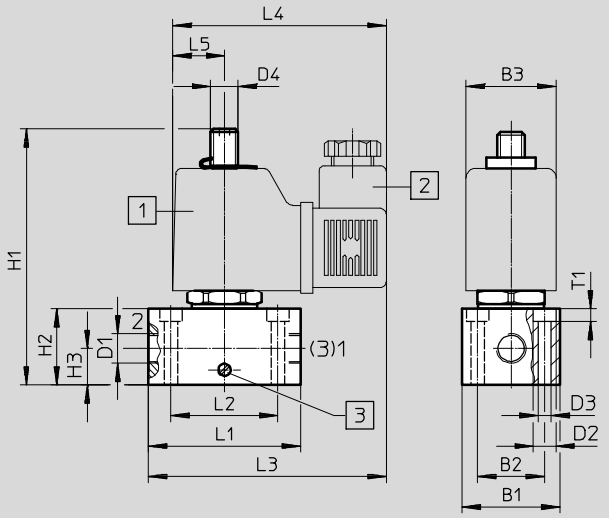
Directly actuated valves, 3/2-way solenoid valves

Technical data

Electrical data											
Direct voltage	Operating voltage	[V DC]	12	24	42	96	110	220	240		
	Power consumption	[W]	11.7	11	12	11	12.7	15	17.9		
AC voltage	Operating voltage	[V AC]	12	24	42	48	110	120	220	240	380
		[Hz]	50	50	50/60	50	50/60	60	50/60	50	50/60
	Pick-up power	[VA]	30								
	Holding capacity	[VA]	22								
Duty cycle		[%]	100								
Degree of protection to EN 60529			IP65								

Response times and switching frequencies			
Switching time	On	[ms]	12
	Off	[ms]	13

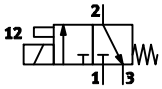
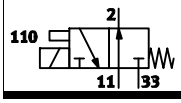
Dimensions Download CAD data ➔ **www.festo.com**



1 Rotatable solenoid coil
2 Plug can be repositioned in steps of 90°
3 Manual override

Type	B1	B2	B3	D1	D2 ∅	D3 ∅	D4	H1	H2	H3	L1	L2	L3	L4	L5	T1
MCH-3-1/8	32	22	29.5	G1/8	8	4.5	G1/8	83	25	12	50	35	78	70	17	4.7
MOCH-3-1/8	32	22	29.5	G1/8	8	4.5	G1/8	84	25	12	50	35	78	70	17	4.7

Ordering data

		Part No.	Type
	3/2-way solenoid valve, normally closed, single solenoid	**2199**	**MCH-3-1/8**
	3/2-way solenoid valve, normally open, single solenoid	**2211**	**MOCH-3-1/8**

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