

Solenoid Valve MN1H-5/2-D-1-FR-C - Festo 159687

Item no. FES-159687

Manufacturer Festo

EAN 4052568012045

Festo valve for fast, reliable control of compressed-air direction and flow.

TECHNICAL DATA

Actuation type	Electrical
Betriebsdruck max [bar]	10.000000
Design	Piston pusher
Dichtmaterial	HNBR, NBR
Durchfluss [l/min]	1200
Funktion	5/2 monostable
HS-Code	84812090
Material	Aluminium
Medium	Compressed air
Mounting position	arbitrary
Nennweite DN [mm]	8
Norm	ISO 5599-1
Operating conditions	EN 60068-2-27, EN 60068-2-6, ISO 8573-1
Protection rating	IP65
Series	MN1H
Temperature (max.)	50
Weight	0.37 kg



STANDARDS & COMPLIANCE

ISO 8573-1:2010 ISO 5599-1 EN 60068-2-6 EN 60068-2-27

DESCRIPTION

Festo valve for fast, reliable control of compressed-air direction and flow. The key technical data of this genuine Festo article are listed below.

Valve function	5/2 monostable
Actuation type	Electrical
Build.width [mm]	42
Normal nominal flow [l/min]	1.200
Operating pressure [bar]	3 to 10
Construction set up	Piston pusher
Reset mode	Mechanical spring
Protection category	IP65

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Nominal width [mm]	8,0
Pitch dimension [mm]	43
Exhaust function	Can be throttled
Sealing principle	Soft
installation position	arbitrary
Complies to standard	ISO 5599-1
Hand assist actuation	With Accessories ratcheting tentative
ISO-Code	152
Control type	pilot operated
Control air supply	Internal
Flow direction	Not reversible
Überdeckung	positive Überdeckung
Shifting time off [ms]	39
Shifting time on [ms]	17
Max. positive test impulse at 0 signal [μs]	3.700
Max. negative test impulse for 1 signal [μs]	4.600
Coil characteristic value	See solenoid coil, order separately
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Medium temperature [°C]	-5 to 50
Sound level [dB(A)]	85
ambient temperature [°C]	-5 to 50
Product weight [g]	450
Electrical connection	Via N1 coil, order separately
Fastening type	on connection plate With throughway bores
Pneumatic connection 1	Connection plate Size 1 to ISO 5599-1
Pneumatic connection 2	Connection plate Size 1 to ISO 5599-1
Pneumatic connection 3	Connection plate Size 1 to ISO 5599-1
Pneumatic connection 4	Connection plate Size 1 to ISO 5599-1
Pneumatic connection 5	Connection plate Size 1 to ISO 5599-1
Material information	RoHs compliant
Seals material	HNBR NBR
Housing material	Aluminium die casting
control medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Control air 14 connection	Connection plate Size 1 to ISO 5599-1

Control air 12 connection	Connection plate Size 1 to ISO 5599-1
Maritime classification	see Certificate
Oscillation strength	Transport use test with severity level 1 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with degree of severity 2 to FN 942017-5 and EN 60068-2-27
Permission	c UL us - Recognized (OL)