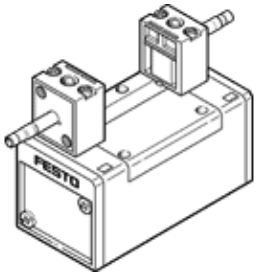
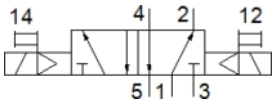
Solenoid valve
JMN1H-5/2-D-1-C

Part number: 159690

Per ISO 5599/1, with manual overrides, without solenoid coils or sockets. Solenoid coils and sockets should be ordered separately.





Data sheet

Feature	values
Valve function	5/2 bistable
Type of actuation	electrical
Width	42 mm
Standard nominal flow rate	1,200 l/min
Working pressure	2 ... 10 bar
Design structure	Piston slide
Protection class	IP65
Authorization	Germanischer Lloyd c UL us - Recognized (OL)
Nominal size	8 mm
Grid dimension	43 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Conforms to standard	ISO 5599-1
Manual override	with accessories, detenting Pushing
ISO code	155
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	non reversible
Freedom from overlap	Yes
Note on forced dynamisation	Switching frequency at least once a week
Switching time reversal	18 ms
Max. positive test pulse with logic 0	3,700 µs
Max. negative test pulse with logic 1	4,600 µs
Characteristic coil data	See solenoid coil, to be ordered separately
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
Medium temperature	-5 ... 50 °C
Sound pressure level	85 dB(A)
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 50 °C
Product weight	610 g
Electrical connection	Via N1 coil, to be ordered separately
Mounting type	On subbase with through hole
Pilot air port 12	Connection plate size 1 as per ISO 5599-1

Feature	values
Pilot air port 14	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 1	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 2	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 3	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 4	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 5	Connection plate size 1 as per ISO 5599-1
Materials note	Conforms to RoHS
Materials information for seals	HNBR NBR
Materials information, housing	Aluminum die cast