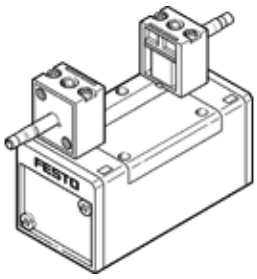
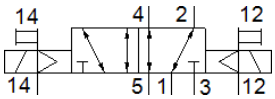
solenoid valve
JMN1H-5/2-D-3-S-C

Part number: 159713

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





Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	electrical
Width	65 mm
Standard nominal flow rate	4,500 l/min
Operating pressure	-0.9 ... 16 bar
Design structure	Piston slide
Maritime classification	see certificate
Protection class	IP65
Nominal size	14.5 mm
Grid dimension	71 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	369
Type of piloting	Piloted
Pilot air supply	external
Flow direction	reversible
Overlap	Positive overlap
Pilot pressure	2 ... 10 bar
Switching time reversal	21 ms
Max. positive test pulse with logic 0	3,700 µs
Max. negative test pulse with logic 1	4,600 µs
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	1,090 g
Electrical connection	Via N1 coil, to be ordered separately
Mounting type	On sub-base With through-hole and screw
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pilot air port 12	Connection plate size 3 as per ISO 5599-1

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