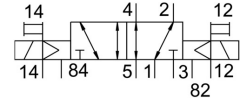
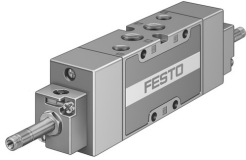


Air solenoid valve JMFH-5-1/4-S-B-EX

Part number: 535934

FESTO



Data sheet

Feature	Value
Valve function	5/2, bistable
Actuation type	Electrical
Width	32 mm
Standard nominal flow rate	1600 l/min
Pneumatic working port	G1/4
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Structural design	Piston gate valve
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
ATEX category gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex h IIC T4 Gb
Type of (ignition) protection for dust	Ex h IIIC T130°C Db
Explosive ambient temperature	-5°C ≤ Ta ≤ +40°C
Degree of protection	IP65
Nominal width	10 mm
Width dimension	33 mm
Type code	JMFH
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Reversible
Symbol	00991016
Lap	Overlap
Pilot pressure MPa	0.2 MPa ... 1 MPa
Pilot pressure	2 bar ... 10 bar
b-value	0.38
C value	6.35 l/sbar
Max. switching frequency	3 Hz
Changeover time	14 ms
Max. positive test pulse with 0 signal	2200 μs
Max. negative test pulse on 1 signal	3700 μs

Feature	Value
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress
Storage temperature	-40 °C ... 60 °C
Temperature of medium	-10 °C ... 60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 40 °C
Product weight	460 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	With through-hole
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	M5
Pilot air port 12	G1/8
Pilot air port 14	G1/8
Pneumatic connection 1	G1/4
Pneumatic connection 2	G¼
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum