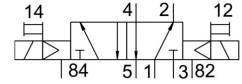
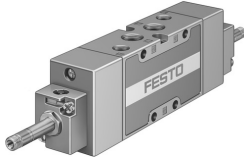


# Air solenoid valve JMFH-5-1/4-B-EX

Part number: 535931

**FESTO**



## Data sheet

Feature	Value
Valve function	5/2, bistable
Lap	Overlap
Actuation type	Electrical
Width	32 mm
Standard nominal flow rate	1600 l/min
Pneumatic working port	G1/4
Operating pressure	2 bar ... 10 bar
Design	Piston gate valve
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	Internal
Flow direction	Non-reversible
Symbol	00991013
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
ATEX category gas	II 2G
Type of ignition protection for gas	Ex h IIC T4 Gb
ATEX category for dust	II 2D
Type of (ignition) protection for dust	Ex h IIIC T130°C Db
Explosive ambient temperature	-5°C ≤ Ta ≤ +40°C
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)

Feature	Value
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	1 - Low corrosion stress
Storage temperature	-40 °C ... 60 °C
Temperature of medium	-10 °C ... 60 °C
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
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1/4
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