

Solenoid Valve JMFH-5-1/2-EX - Festo 535914

Item no. FES-535914

Manufacturer Festo

EAN 4052568169640

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

TECHNICAL DATA

Actuation type	Electrical
Betriebsdruck max [bar]	8.000000
Corrosion resistance class CRC	1 - low corrosion stress
Design	Plate seat
Dichtmaterial	NBR, TPE-U(PU)
Durchfluss [l/min]	4500
Funktion	5/2 bistable
HS-Code	84812090
Material	Aluminium
Medium	Compressed air
Mounting position	arbitrary
Nennweite DN [mm]	14
Pneumatic connection	G1/2
Protection rating	IP65
Series	JMFH
Temperature (max.)	40
Weight	1.1 kg



STANDARDS & COMPLIANCE

ISO 8573-1:2010

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 bistable
Actuation type	Electrical
Build.width [mm]	52,0
Normal nominal flow [l/min]	4.500
Operating pressure [bar]	2 to 8
Construction set up	Plate seat
Nominal width [mm]	14
Exhaust function	Can be throttled

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Sealing principle	Soft
installation position	arbitrary
Control type	pilot operated
Flow direction	Not reversible
Überdeckung	negative Überdeckung
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)
Corrosion resistant class KBK	1 - low corrosion stress
Bearing temperature [°C]	-20 to 60
Medium temperature [°C]	-5 to 40
control medium	L12
ambient temperature [°C]	-5 to 40
Product weight [g]	1.210
Electrical connection	Via f-coil, order separately
Fastening type	With throughway bores Selectively: on terminal strip
Pneumatic connection 1	G1/2
Pneumatic connection 2	G1/2
Pneumatic connection 3	G1/2
Material information	RoHs compliant
Seals material	NBR TPE-U(PU)
Housing material	Aluminium die casting
Pitch dimension [mm]	69
Hand assist actuation	Ratcheting
b-value	0.3
Max. switching frequency [Hz]	25
Shifting time μ m [ms]	20
Pneumatic connection 4	G1/2
Pneumatic connection 5	G1/2
Protection category	IP65
C-value [l/sbar]	19,50
Max. positive test impulse at 0 signal [μ s]	2.200
Max. negative test impulse for 1 signal [μ s]	3.700
Coil characteristic value	See solenoid coil, order separately
Exhaust control connection 82	M5
Exhaust control connection 84	M5

CE certificate (see declaration of conformity)	to EU EX protection directive (ATEX)
ATEX gas category	II 2G
ATEX dust category	II 2D
Ex ignition protection type gas	Ex h IIC T4 Gb
Ex ignition protection type dust	Ex h IIIC T130°C Db
Ex ambient temperature	-5°C <= Ta <= +40°C
Breathing opening connection	M5