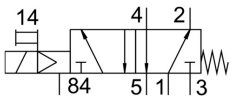
Air solenoid valve
MFH-5-1/8-EX

Part number: 535906





Data sheet

Feature	Value
Valve function	5/2, monostable
Lap	Underlap
Actuation type	Electrical
Width	26 mm
Standard nominal flow rate	500 l/min
Pneumatic working port	G1/8
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	1.8 bar ... 8 bar
Design	Plate seat
Reset method	Mechanical spring
Degree of protection	IP65
Nominal width	5 mm
Width dimension	27 mm
Type code	MFH
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of control	Pilot-controlled
Flow direction	Non-reversible
Symbol	00991035
Switching time off	36 ms
On switching time	8 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse on 1 signal	3700 µs
Coil characteristics	See solenoid coil, to be ordered separately
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]

Feature	Value
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	1 - Low corrosion stress
Storage temperature	-20 °C ... 60 °C
Temperature of medium	-5 °C ... 40 °C
Ambient temperature	-5 °C ... 40 °C
Product weight	270 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	On terminal strip With through-hole Optionally:
Venting hole connection	M5
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	M5
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Pneumatic connection 4	G1/8
Pneumatic connection 5	G1/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum