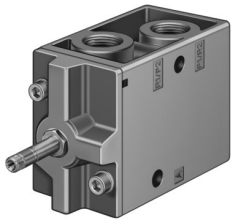
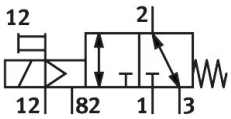
Air solenoid valve
MFH-3-3/4-S-EX

Part number: 536191





Data sheet

Feature	Value
Valve function	3/2-way, closed, monostable
Actuation type	Electrical
Width	68 mm
Normal nominal flow rate (normalized to DIN 1343)	7500 l/min
Pneumatic working port	G3/4
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	-0.095 MPa...1 MPa -0.95 bar...10 bar
Structural design	Plate seat
Reset method	Mechanical spring
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
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	19 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of control	Piloted
Pilot air supply port	External
Flow direction	Reversible
Lap	Negative overlap
Pilot pressure MPa	0.1 MPa...0.8 MPa
Pilot pressure	1 bar...8 bar
Switching time off	32 ms

Feature	Value
On switching time	36 ms
Max. positive test pulse with 0 signal	2200 µs
Coil characteristics	See solenoid coil, to be ordered separately
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) 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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...60 °C
Temperature of medium	-5 °C...40 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...40 °C
Product weight	1260 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	With through-hole
Venting hole connection	M3
Pilot exhaust air port 82	M5
Pilot air port 12	G1/8
Pneumatic connection 1	G3/4
Pneumatic connection 2	G3/4
Pneumatic connection 3	G3/4
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Die-cast aluminum