

Solenoid valve MFH-3-3/4-S-EX

Part number: 536191

FESTO



General operating condition

Data sheet

Feature	Value
Valve function	3/2-way, single solenoid, closed
Type of actuation	Electrical
Construction width	68 mm
Standard nominal flow rate (standardised to DIN 1343)	7500 l/min
pneumatic working port	G3/4
Operating voltage	Via solenoid coil, must be ordered separately
Operating pressure	-0.095 MPa ... 1 MPa
Operating pressure	-0.95 bar ... 10 bar
Design	Poppet seat
Type of reset	Mechanical spring
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category gas	II 2G
ATEX category dust	II 2D
Explosion ignition protection type for gas	Ex h IIC T4 Gb
Explosion ignition protection type for dust	Ex h IIIC T130°C Db
Explosion ambient temperature	-5°C ≤ Ta ≤ +40°C
Degree of protection	IP65
Nominal size	19 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of piloting	Piloted
Pilot air supply	External
Flow direction	Reversible
Symbol	00992879
lap	Underlap
Pilot pressure	0.1 MPa ... 0.8 MPa
Pilot pressure	1 bar ... 8 bar
Switching time off	32 ms
Switching time on	36 ms
Max. positive test pulse with 0 signal	2200 μs
Characteristic coil data	See solenoid coil, to be ordered separately

Feature	Value
Explosion protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C ... 60 °C
Media temperature	-5 °C ... 40 °C
Pilot medium	Compressed air to 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
Breather connection	M3
Pilot exhaust port 82	M5
Pilot air port 12	G1/8
Pneumatic connection, port 1	G3/4
Pneumatic connection, port 2	G3/4
Pneumatic connection, port 3	G3/4
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium