

On/off valve MS9-EM

Part number: 562178

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Series	MS
Size	9
Width dimension	90 mm
Structural design	Piston gate valve
Actuation type	Manual
Sealing principle	Soft
Exhaust air function	Without flow control option
Actuator lock	Rotary knob with detent
Reset method	Forced guidance
Type of control	Direct
Valve function	2/2 bistable 3/2, bistable
Pressure gauge	G1/4 prepared G1/8 prepared Red-green scale with pressure sensor with pressure gauge with switch indicator
Operating pressure	0 bar ... 20 bar
Lap	Overlap
Standard nominal flow rate	8000 l/min ... 18000 l/min
Standard nominal flow rate 2-3	13201 l/min ... 14900 l/min
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)	2 - Moderate corrosion stress
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-10 °C ... 60 °C
Ambient temperature	-10 °C ... 60 °C
Certification	c UL us - Recognized (OL)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)

Feature	Value
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex h IIC T6 Gb X
Type of (ignition) protection for dust	Ex h IIIC T60°C Db X
Explosive ambient temperature	-10°C ≤ Ta ≤ +60°C
Type of mounting	With accessories
Mounting position	Any
Piston slide material	POM
Seals material	NBR
Housing material	Die-cast aluminum