

# 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
Grid dimension	90 mm
Design	Piston gate valve
Type of actuation	Manual
Sealing principle	Soft
Exhaust-air function	Without flow control option
Actuator lock	Rotary knob with detent
Type of reset	Forced
Type of piloting	Direct
Valve function	2/2 bistable 3/2 bistable
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/4 Prepared for G1/8 Red/green scale Via pressure sensor With pressure gauge Via operational status indicator
Operating pressure	0 bar ... 20 bar
lap	Overlap
Standard nominal flow rate (standardised to DIN 1343)	8000 l/min ... 18000 l/min
Standard nominal flow rate 2-3	13201 l/min ... 14900 l/min
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	2 - Moderate corrosion stress
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-10 °C ... 60 °C
Ambient temperature	-10 °C ... 60 °C
Approval	c UL us - Recognized (OL)
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)

Feature	Value
Explosion 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 dust	II 2D
Explosion ignition protection type for gas	Ex h IIC T6 Gb X
Explosion ignition protection type for dust	Ex h IIIC T60°C Db X
Explosion ambient temperature	-10 °C ≤ Ta ≤ +60 °C
Type of mounting	Either: In-line installation With accessories
Mounting position	optional
Material piston slide	POM
Material seals	NBR
Material housing	Die-cast aluminium