

On/off valve MS9-EE

Part number: 562177

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	Electrical
Sealing principle	Soft
Exhaust-air function	Cannot be throttled
Manual override	Detenting Non-detenting
Type of reset	Mechanical spring
Type of piloting	Piloted
Valve function	2/2-way, single solenoid, closed 3/2-way, single solenoid, closed
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/4 Prepared for G1/8 Red/green scale With pressure sensor With pressure gauge with gear indicator
Operating pressure	3.5 bar ... 16 bar
lap	Overlap
Standard nominal flow rate (standardised to DIN 1343)	8000 l/min ... 18000 l/min
Standard nominal flow rate 2-3	13200 l/min ... 14900 l/min
Duty cycle	100%
Characteristic coil data	230 V AC: 50 Hz, pick-up power 11.5 VA, holding power 9.1 VA 230 V AC: 60 Hz, pick-up power 9.5 VA, holding power 6.4 VA
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
Cleanroom suitability, measured according to ISO 14644-14	Class 7 according to ISO 14644-1
Media temperature	-10 °C ... 60 °C
Degree of protection	IP65
Ambient temperature	-10 °C ... 60 °C
Approval	c UL us - Recognised (Oil)

Feature	Value
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX) To EU Low Voltage Directive
UKCA marking (see declaration of conformity)	To UK regulations for electrical equipment
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion protection	Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 3G
ATEX category dust	II 3D
Explosion ignition protection type for gas	Ex nA IIC T5 X Gc
Explosion ignition protection type for dust	Ex tc IIIC T85°C X Dc IP65
Explosion ambient temperature	-10°C ≤ Ta ≤ +50°C
Type of mounting	Either: Inline installation With accessories
Mounting position	Any
Electrical connection	Type A Plug To DIN EN 175301-803 Square design
Material piston slide	POM
Material seals	NBR
Material housing	Die-cast aluminium