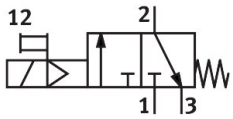
On/off valve
MS4-EE-1/4-V24-F1A-B

Part number: 8176512





Data sheet

Feature	Value
Series	MS
Size	4
Grid dimension	40 mm
Design	Poppet valve, electrically actuated
Type of actuation	Electrical
Exhaust-air function	Cannot be throttled
Manual override	Detenting Non-detenting
Type of reset	Mechanical spring
Type of piloting	Piloted
Valve function	3/2-way, single solenoid, closed
Operating pressure	0.3 MPa...0.7 MPa 3 bar...7 bar
lap	Underlap
C value	8.36 l/sbar
b value	0.49
Standard nominal flow rate (standardised to DIN 1343)	2000 l/min
Standard nominal flow rate, exhaust 0.6->0 MPa (6->0 bar, 87->0 psi)	1600 l/min
Characteristic coil data	24 V DC: 2.3 W
Permissible voltage fluctuations	+/-10%
Switch-on time	29 ms
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
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Class 7 according to ISO 14644-1
Media temperature	-5 °C...50 °C
Degree of protection	IP65
Ambient temperature	-5 °C...50 °C

Feature	Value
Type of mounting	Via wall/surface bracket
Mounting position	Any
Switching position indicator	With accessories
Product weight	194 g
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pilot air supply	Internal
Electrical connection	Type C To EN 175301-803
Signal status display	With accessories
Selection of additional functions	With silencer
Material seals	HNBR NBR
Material housing	Reinforced PA