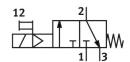
On/off valve MS6-EE-1/2-V24-F1A-B Part number: 8176514

FESTO





General operating condition

6 in dimension 62 mm Poppet valve, electrically actuated Poppet of all dimension 62 mm Poppet valve, electrically actuated Poppet of piloting Poiloting Poppet of piloting Poppet of pi	Feature	Value
Seried dimension Design Popper valve, electrically actuated Flectric Flec	Series	MS
Poppet valve, electrically actuated Type of actuation Electric Exhaust-air function Manual override Mechanical spring Type of reset Mechanical spring Type of piloting Pilot actuated Symbol Oo991008 Valve function 3/2-way, closed, monostable Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure sensor with LCD display Operating pressure Operating pressure 1 3 bar 7 bar 4 bar 4 bar 5 bandard nominal flow rate (standardised to DIN 1343) Standard nominal flow rate (standardised to DIN 1343) Standard nominal flow rate, exhaust 0.6-30 MPa (6-30 bar, 87-30 ps) Characteristic coil data Permissible voltage fluctuations 4/ 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) Lubricated operation possible (in which case lubricated operation will always be required) Mote on materials LABS (PWIS) conformity VDMA24364-81/82-L Suitability for the production of Li-ion batteries Media temperature 4 5 °C 50 °C Learnoon class Media temperature 5 °C 50 °C Learnoon temperature 5 °C 50 °C Learnoon class Media temperature 5 °C 50 °C Learnoon class Media temperature 5 °C 50 °C Learnoon class Label or the production of Li-ion batteries Learnoon class Label or the production of Li-ion batteries Label	Size	6
Electric Exhaust-air function Without flow control option Manual override Detenting Non-detenting Ivpe of reset Mechanical spring Pilot actuated Operating Valve function 3/2-way, closed, monostable Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure sensor with LCO display Operating pressure Operating pressure Underlap Covalue Underlap Underlap Covalue Underlap Underlap Covalue Underlap U	Grid dimension	62 mm
Exhaust-air function Manual override Manual override Mechanical spring Type of reset Mechanical spring Pilot actuated Operating Symbol Operating Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure sensor with LCD display Operating pressure Operating flow rate (standardised to DIN 1343) Standard nominal flow rate (standardised to DIN 1343) Standard nominal flow rate, exhaust 0.6->0 MPa (6->0 bar, 87->0 ps) 4000 l/min Characteristic coil data 24 V DC: 2.3 W Permissible voltage fluctuations Permissible voltage fluctuations Permissible voltage fluctuations 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 VDMA24364-B1/B2-L Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Media temperature -5 ° C 50 ° C Degree of protection Ambient temperature -5 ° C 50 ° C	Design	Poppet valve, electrically actuated
Manual override Detenting Non-detenting Non-detenting Pilot actuated Depending Pilot actuated Depending Pressure gauge (ANALOG) or Pressure display (DIGITAL) Depending pressure Depending pressure Depending pressure Depending pressure Depending pressure Dunderlap C value 21.33 I/sbar D value D val	Type of actuation	Electric
Non-detenting Type of reset Mechanical spring Pilot actuated Symbol Operating Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure sensor with LCD display Operating pressure O, 3 MPa 0,7 MPa Operating pressure Operating pressure Object of the display Object of the display Operating pressure Object of the display Object of the display Operating pressure Object of the display Operating operation operating operating operating operation operating operating operation operating operating operation operating operation operating operating operation operating operation operating operation operation operating operation operation operating operation ope	Exhaust-air function	Without flow control option
Pilot actuated Symbol O0991008 Valve function Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure sensor with LCD display Operating pressure O3 MPa 0.7 MPa Oberating pressure Underlap C value 21.33 I/Sbar O value O52 Standard nominal flow rate (standardised to DIN 1343) Standard nominal flow rate, exhaust 0.6-90 MPa (6-90 bar, 87-90 psi) C value OPeratistic coil data V-/ 10 % Switch-on time Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress Note on materials LABS (PWIS) conformity WDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Media temperature - 5 °C 50 °C Degree of protection Ambient temperature - 5 °C 50 °C Ambient temperature - 5 °C 50 °C	Manual override	
Symbol 00991008 Valve function 3/2-way, closed, monostable Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure sensor with LCD display Operating pressure 0,3 MPa 0.7 MPa Operating pressure 3 bar 7 bar Junderlap C value 21,33 I/sbar O value 21,33 I/sbar O value 0,52 Standard nominal flow rate (standardised to DIN 1343) 5000 I/min Standard nominal flow rate, exhaust 0.6->0 MPa (6->0 bar, 87->0 psi) 4000 I/min Characteristic coil data 24 V DC: 2.3 W Permissible voltage fluctuations +/- 10 % 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 RABS (PWIS) conformity VDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Media temperature 5° C 50° C Ambient temperature -5° C 50° C	Type of reset	Mechanical spring
Avalve function 3/2-way, closed, monostable Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure sensor with LCD display Deparating pressure 0.3 MPa 0.7 MPa 3 bar 7 bar Underlap C value 21.33 l/sbar O value 5.52 Standard nominal flow rate (standardised to DIN 1343) Standard nominal flow rate, exhaust 0.6-30 MPa (6-30 bar, 87-30 psi) Characteristic coil data Permissible voltage fluctuations Switch-on time Deparating 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Ambient temperature -5 °C 50 °C	Type of piloting	Pilot actuated
Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure sensor with LCD display Deparating pressure 0.3 MPa 0.7 MPa 3 bar 7 bar Underlap C value 21.33 l/sbar 0.52 Standard nominal flow rate (standardised to DIN 1343) Standard nominal flow rate, exhaust 0.6-90 MPa (6-90 bar, 87-90 psi) Characteristic coil data Permissible voltage fluctuations Witch-on time 29 ms Deparating 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Media temperature -5 °C 50 °C Degree of protection Ambient temperature -5 °C 50 °C	Symbol	00991008
Operating pressure Operating	Valve function	3/2-way, closed, monostable
Deperating pressure 3 bar 7 bar Underlap C value 21.33 l/sbar 0.52 Standard nominal flow rate (standardised to DIN 1343) Standard nominal flow rate, exhaust 0.6->0 MPa (6->0 bar, 87->0 psi) 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 VDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection Ambient temperature -5 °C 50 °C	Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure sensor with LCD display
Underlap C value 21.33 l/sbar 0.52 Standard nominal flow rate (standardised to DIN 1343) Standard nominal flow rate, exhaust 0.6-90 MPa (6-90 bar, 87-90 psi) Characteristic coil data 24 V DC: 2.3 W Permissible voltage fluctuations 4/- 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 VDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Wetals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection Ambient temperature -5 °C 50 °C	Operating pressure	0.3 MPa 0.7 MPa
21.33 l/sbar 5 value 5 value	Operating pressure	3 bar 7 bar
50 value 50 val	lap	Underlap
Standard nominal flow rate (standardised to DIN 1343) Standard nominal flow rate, exhaust 0.6->0 MPa (6->0 bar, 87->0 psi) 4000 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] 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 Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Clean room class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection Ambient temperature -5 °C 50 °C	C value	21.33 l/sbar
Standard nominal flow rate, exhaust 0.6->0 MPa (6->0 bar, 87->0 psi) 4000 l/min 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] 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 Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection Ambient temperature -5 °C 50 °C	b value	0.52
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 Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Standard nominal flow rate (standardised to DIN 1343)	5000 l/min
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 Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Standard nominal flow rate, exhaust 0.6->0 MPa (6->0 bar, 87->0 psi)	4000 l/min
Switch-on time 29 ms 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 Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Characteristic coil data	24 V DC: 2.3 W
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 Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Permissible voltage fluctuations	+/- 10 %
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) 1 - Low corrosion stress RoHS-compliant LABS (PWIS) conformity VDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are exclude from use.The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Switch-on time	29 ms
always be required) Corrosion resistance class CRC 1 - Low corrosion stress Note on materials ROHS-compliant VDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
RoHS-compliant LABS (PWIS) conformity VDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Note on operating and pilot medium	, , , , , , , , , , , , , , , , , , , ,
LABS (PWIS) conformity VDMA24364-B1/B2-L Suitability for the production of Li-ion batteries Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 4-5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Corrosion resistance class CRC	1 - Low corrosion stress
Metals with more than 1% by mass of copper, zinc or nickel are exclude from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Note on materials	RoHS-compliant
from use.The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature -5 °C 50 °C Degree of protection IP65 Ambient temperature -5 °C 50 °C	Suitability for the production of Li-ion batteries	
Degree of protection IP65 Ambient temperature -5 °C 50 °C	Cleanroom class	Class 7 according to ISO 14644-1
Ambient temperature -5 °C 50 °C	Media temperature	-5 °C 50 °C
	Degree of protection	IP65
Type of mounting Via wall/surface bracket	Ambient temperature	-5 ℃ 50 ℃
	Type of mounting	Via wall/surface bracket

Feature	Value
Mounting position	optional
Switching position indicator	With accessories
Product weight	490 g
Pneumatic connection, port 1	G1/2
Pneumatic connection, port 2	G1/2
Pneumatic connection, port 3	G1/2
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	PA-reinforced