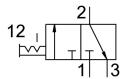
## On/off valve MS6-EM1-1/2-F1A Part number: 8183562

**FESTO** 





## **Data sheet**

General operating condition

Actuation type Manual  Exhaust air function Without flow control option Direct Application note  Foreign particles can remain stuck to the product or form during installation. Depending on the application, it may be necessary to purge the product with clean compressed air, clean it after installation and operate it with ducted exhaust air.  Operating pressure Obar 18 bar  Joerating pressure Obar 18 bar  Joerating pressure Obar 18 bar  Ostroid 18 bar  Ostroid 18 bar  Ostroid 18 bar  Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Information on operating and pilot media Operation with oil lubrication possible (required for further use) Operation on materials RoHS-compliant ABS (PWIS) conformity VDMA24364-B1/B2-L  Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and colls  Femperature of medium -10 °C 60 °C  For use in the food industry Cype of mounting Clow direction Any Flow direction Non-reversible Product weight Son g Peneumatic connection 3 G1/2 Peneumatic connection 3	Feature	Value
Exhaust air function  Without flow control option  Direct  Foreign particles can remain stuck to the product or form during installation. Depending on the application, it may be necessary to purge the product with clean compressed air, clean it after installation and operate it with ducted exhaust air.  Symbol  00991670  3/2, bistable  Operating pressure  0 bar 18 bar  Standard nominal flow rate  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  Inert gas  Operation with oil lubrication possible (required for further use)  Operation on operating and pilot media  Operation with oil lubrication possible (required for further use)  Ostor on materials  RoH5-compliant  ABS (PWIS) conformity  Without firm then 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  Weather the food industry  Operation  Operation  Operation  10°C60°C  Ambient temperature  10°C60°C  Mounting position  Any  Non-reversible  Product weight  Predumatic connection 1  Operumatic connection 3  G1/2  Preumatic connection 3  G1/2  Preumatic connection 3  Operation particles can remain stuck to the product or form during installation with accessories  Wether the production of Li-ion batteries  Operation with accessories  With more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  Operation with accessories  Wounting position  Any  Non-reversible  Preduct weight  Preumatic connection 1  Operation with accessories  G1/2  Operation with ducted exhaust air.  Operation particles are a per ISO April 18 per ISO April	Structural design	Rotary gate valve
Type of control  Application note  Application note  Application note  Foreign particles can remain stuck to the product or form during installation. Depending on the application, it may be necessary to purge the product with dean compressed air, clean it after installation and operate it with ducted exhaust air.  Operate it with ducted exhaust air.  Operating pressure  Obar 18 bar  30.81/sbar  Obar 18 bar  30.81/sbar  Obar 18 bar  30.81/sbar  Obar 18 bar  30.81/sbar  Obar 18 bar  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  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  ABS (PMIS) conformity  VDMA2364-B1/B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed dircuit boards, cables, electrical plug connector and coils  For use in the food industry  See supplementary material information  Optionally:  Line installation  With accessories  Mounting position  Any  Preduct weight  See 389  Preduct weight  See 1/2  Preumatic connection 1  G1/2  Preumatic connection 3  G1/2  Preumatic connection 3  G1/2  Preumatic connection 3	Actuation type	Manual
Application note  Foreign particles can remain stuck to the product or form during installation. Depending on the application, it may be necessary to purge the product with clean compressed air, clean it after installation and operate it with ducted exhaust air.  O0991670  Jalve function  Jobar 18 bar  Jobar	Exhaust air function	Without flow control option
installation. Depending on the application, it may be necessary to purge the product with clean compressed air, clean it after installation and operate it with ducted exhaust air.  5ymbol 00991670 3/2, bistable 00991670 3/2, bistable 0097670	Type of control	Direct
Alve function  3/2, bistable  Operating pressure  0 bar 18 bar  30.8 l/sbar  0.57  Standard nominal flow rate  0.57  Standard nominal flow rate  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Operation resistance class (CRC)  2 · Moderate corrosion stress  Note on materials  ABS (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 by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  Femperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Optionally: Line installation With accessories  Mounting position  Any  Mounting position  Non-reversible  Product weight  580 g  Preumatic connection 1  G1/2  Preumatic connection 2  G1/2  Preumatic connection 3	Application note	installation. Depending on the application, it may be necessary to purge the product with clean compressed air, clean it after installation and
Operating pressure  O bar 18 bar  30.8 l/sbar  O-value  0.57  Standard nominal flow rate  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4;4] Inert gas  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  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  Femperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Any  Product weight  580 g  Preumatic connection 1  G1/2  Preumatic connection 2  G1/2  Preumatic connection 3  G1/2	Symbol	00991670
Table 30.8 l/sbar 30.8 l/sbar 30.9 l/sbar	Valve function	3/2, bistable
Devalue  Outperstring medium  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  Operation resistance class (CRC)  2 · Moderate 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 by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  femperature of medium  10 °C 60 °C  Son use in the food industry  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Non-reversible  Ordouct weight  S80 g  Oneumatic connection 1  G1/2  Oneumatic connection 2  G1/2  Oneumatic connection 3  G1/2  Oneumatic connection 3  G1/2  Oneumatic connection 3  G1/2  Oneumatic connection 3	Operating pressure	0 bar 18 bar
Standard nominal flow rate  Departing medium  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  Operating medium  Operating and pilot media  Operation with oil lubrication possible (required for further use)  Operation resistance class (CRC)  2 - Moderate corrosion stress  RoHS-compliant  VDMA24364-B1/B2-L  Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  femperature of medium  -10 °C 60 °C  Tor use in the food industry  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Any  Product weight  Product weight  Product connection 1  G1/2  Preumatic connection 2  Preumatic connection 3  G1/2  Preumatic connection 3  G1/2  Preumatic connection 3  G1/2  Preumatic connection 3	C value	30.8 l/sbar
Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  2 - Moderate 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 by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  femperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Any  Non-reversible  Product weight  Preumatic connection 1  G1/2  Preumatic connection 2  Preumatic connection 3  G1/2  Preumatic connection 3  G1/2  Preumatic connection 3  G1/2	b-value	0.57
Inert gas  Information on operating and pilot media  Operation with oil lubrication possible (required for further use)  2 - Moderate 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 by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  femperature of medium  -10 °C 60 °C  For use in the food industry  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Any  Non-reversible  Product weight  580 g  Preumatic connection 1  G1/2  Preumatic connection 2  G1/2  Preumatic connection 3  G1/2	Standard nominal flow rate	8700 l/min
Corrosion resistance class (CRC)  2 - Moderate corrosion stress  RoHS-compliant  VDMA24364-B1/B2-L  Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  femperature of medium  -10 ° C 60 ° C  Ambient temperature  -10 ° C 60 ° C  For use in the food industry  See supplementary material information  Type of mounting  Mounting position  Any  Flow direction  Non-reversible  Product weight  Presumatic connection 1  G1/2  Presumatic connection 2  G1/2  Presumatic connection 3  G1/2  Presumatic connection 3  G1/2  Presumatic connection 3	Operating medium	
Rote on materials  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  femperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  For use in the food industry  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Non-reversible  Product weight  Preumatic connection 1  G1/2  Preumatic connection 2  G1/2  Preumatic connection 3  G1/2  Preumatic connection 3  G1/2	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
ABS (PWIS) conformity  VDMA24364-B1/B2-L  Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  Femperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  For use in the food industry  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Non-reversible  Product weight  580 g  Preumatic connection 1  G1/2  Preumatic connection 2  G1/2  Preumatic connection 3  G1/2  Preumatic connection 3  G1/2	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  For use in the food industry  Type of mounting  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Non-reversible  Product weight  580 g  Pneumatic connection 1  G1/2  Pneumatic connection 2  G1/2  Pneumatic connection 3  G1/2  Pneumatic connection 3  G1/2	Note on materials	RoHS-compliant
are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connector and coils  Femperature of medium  -10 °C 60 °C  -10 °C 60 °C  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Product weight  580 g  Pneumatic connection 1  G1/2  Pneumatic connection 2  G1/2  Pneumatic connection 3  G1/2  G1/2	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature -10 °C 60 °C For use in the food industry  See supplementary material information  Optionally: Line installation With accessories  Mounting position Any Flow direction Non-reversible  Product weight S80 g Pneumatic connection 1 G1/2 Pneumatic connection 2 G1/2 Pneumatic connection 3 G1/2	Suitability for the production of Li-ion batteries	are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors
See supplementary material information  Optionally: Line installation With accessories  Mounting position Any  Flow direction Non-reversible Product weight Foreumatic connection 1 G1/2 Pneumatic connection 2 G1/2 Pneumatic connection 3 G1/2	Temperature of medium	-10 °C 60 °C
Type of mounting  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Non-reversible  Product weight  580 g  Pneumatic connection 1  G1/2  Pneumatic connection 2  G1/2  Pneumatic connection 3  G1/2	Ambient temperature	-10 °C 60 °C
Line installation With accessories  Mounting position Any  Flow direction Non-reversible  Product weight Fine matric connection 1 G1/2  Pneumatic connection 2 G1/2  Pneumatic connection 3 G1/2	For use in the food industry	See supplementary material information
Product weight 580 g Pneumatic connection 2 G1/2 Pneumatic connection 3 G1/2	Type of mounting	Line installation
Product weight 580 g Pneumatic connection 1 61/2 Pneumatic connection 2 61/2 Pneumatic connection 3 61/2	Mounting position	Any
Pneumatic connection 1 G1/2 Pneumatic connection 2 G1/2 Pneumatic connection 3 G1/2	Flow direction	Non-reversible
Pneumatic connection 2 G1/2 Pneumatic connection 3 G1/2	Product weight	580 g
Pneumatic connection 3 G1/2	Pneumatic connection 1	G1/2
	Pneumatic connection 2	G1/2
Seals material TPE-U(PU)	Pneumatic connection 3	G1/2
	Seals material	TPE-U(PU)

Feature	Value
Housing material	Die-cast aluminum