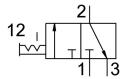
On/off valve MS4-EM1-1/4-F1A Part number: 8183561

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. Symbol 00991670 Operating pressure O bar 14 bar C value 9 l/sbar Operating pressure O bar 14 bar C value 9 l/sbar Operating medium C 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 operating and pilot media Operation with oil lubrication possible (required for further use) Voluce on materials ROMS: (PWIS) conformity VDMA24364-B1/B2-L Water 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 For use in the food industry Vippe of mounting Optionally: Line installation With accessories Mounting position Any Pneumatic connection 1 Operumatic connection 3 Off/4 Pneumatic connection 3 Off/4 Pneumatic connection 3 Operamatic connection 3 Off/4 Operamatic connection 3 Operamatic connection 3 Off/4	Feature	Value
Exhaust air function Type of control 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 Valve function 3/2, bistable Operating pressure 0 bar 14 bar C value 9 1/sbar Devalue 0.39 Standard nominal flow rate Deparating 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 LABS (PWIS) conformity VDMA24364 B1/B2-L Sutlability 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 Type of mounting Optionally: Line installation With accessories Mounting position Any Flow direction Non-reversible Preduct weight Preduct weight Preduct weight Preduct deight Preduct deight Preduct connection 3 G1/4 Prenumatic connection 3 G1/4	Structural design	Rotary gate valve
Type of control 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. Symbol Oop991670 Valve function 3/2, bistable Operating pressure O bar 14 bar 9 1/sbar O-value 9 1/sbar O-value 9 1/sbar 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 VoMA24364-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 Temperature of medium 10°C 60°C For use in the food industry See supplementary material information For use in the food industry See supplementary material information For use in the food industry For use in the coord industry For use in the food industry For use in the food industry For use in the coord industry For use i	Actuation type	Manual
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 clean compressad in; clean it after installation and operate it with ducted exhaust air. O0991670 Valve function 3/2, bistable Operating pressure 0 bar 14 bar C value 9 I/sbar Ovalue 0.39 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 VDMA24364-81/B2-1 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 For use in the food industry For use in the food industry See supplementary material information Optionally: Line installation With accessories Mounting position Any Preduct weight Preduct connection 2 G1/4 Preductatic connection 3 G1/4	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. Symbol 00991670 3/2, bistable 00991670 3/2, bistable 00991670 Operating pressure 0 bar 14 bar 0.39 Standard nominal flow rate 0.39 Standard nominal flow rate 2200 l/min 0.39 Standard nominal flow rate 2200 l/min 0.39 Standard nominal flow rate 0.40 Operating medium 1.50 Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas 1.50 Information on operating and pilot media 0.50 Operation with oil lubrication possible (required for further use) 0.50 Corrosion resistance class (CRC) 2.50 Note on materials RoHS-compliant 1.50 VOMA24364-81/B2-1.50 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 1.50 Femperature of medium 1.10 °C 60 °C Ambient temperature 1.00 °C 60 °C Ambient temperature 1.00 °C 60 °C Mounting position Any Flow direction Non-reversible Product weight 1.90 g Product weight 1.90 g Prenumatic connection 2 G1/4 Prenumatic connection 3 G1/4 Prenumatic connection 3 G1/4	Type of control	Direct
Avalve function 3/2, bistable Operating pressure 0 bar 14 bar C value 9 I/sbar 0.39 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 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 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 190 g Pheumatic connection 2 G1/4 Pheumatic connection 3 G1/4 Pheumatic connection 3 G1/4	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 C value 9 l/sbar 0.39 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 LABS (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 Flow direction Product weight 190 g Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4 Pneumatic connection 3 G1/4	Symbol	00991670
Solution of the production of Li-ion batteries with solution of the production of Li-ion batteries of respect to and coils For use in the food industry Depending the production of the production of Li-ion batteries of the use of the use of the production of Li-ion batteries of Li	Valve function	3/2, bistable
Devalue Standard nominal flow rate Deparating 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 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 Type of mounting Optionally: Line installation With accessories Mounting position Any Flow direction Product weight 190 g Preumatic connection 1 G1/4 Preumatic connection 3 G1/4 Preumatic connection 3 G1/4	Operating pressure	0 bar 14 bar
Standard nominal flow rate 2200 l/min 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 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 Iemperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C See supplementary material information Type of mounting Optionally: Line installation With accessories Mounting position Any Product weight Product weight Product connection 1 G1/4 Preumatic connection 2 Preumatic connection 3 G1/4 Preumatic connection 3 G1/4 Preumatic connection 3 G1/4	C value	9 l/sbar
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 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 Temperature 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 190 g Preumatic connection 1 G1/4 Preumatic connection 2 Preumatic connection 3 G1/4 Preumatic connection 3 G1/4	b-value	0.39
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 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 For use in the food industry See supplementary material information Type of mounting Optionally: Line installation With accessories Mounting position Any Flow direction Non-reversible Product weight 190 g Pneumatic connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4	Standard nominal flow rate	2200 l/min
Corrosion resistance class (CRC) 2 - Moderate corrosion stress 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 For use in the food industry Type of mounting Optionally: Line installation With accessories Mounting position Flow direction Non-reversible Product weight 190 g Preumatic connection 1 G1/4 Preumatic connection 2 G1/4 Preumatic connection 3 G1/4	Operating medium	· · · · · · · · · · · · · · · · · · ·
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 For use in the food industry Type of mounting Optionally: Line installation With accessories Mounting position Any Flow direction Product weight 190 g Pneumatic connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4 Pneumatic connection 3 G1/4	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 Temperature 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 Product weight 190 g Preumatic connection 1 G1/4 Preumatic connection 2 G1/4 Preumatic connection 3 G1/4	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 Product weight 190 g Pneumatic connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4 Pneumatic connection 3	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 Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C See supplementary material information Optionally: Line installation With accessories Mounting position Any Flow direction Product weight 190 g Preumatic connection 1 G1/4 Preumatic connection 2 G4/4 Preumatic connection 3 G1/4	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 190 g Pneumatic connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4	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
For use in the food industry See supplementary material information Optionally: Line installation With accessories Mounting position Any Flow direction Non-reversible Product weight 190 g Pneumatic connection 1 G1/4 Pneumatic connection 2 Pneumatic connection 3 G1/4	Temperature of medium	-10 °C 60 °C
Type of mounting Optionally: Line installation With accessories Mounting position Any Flow direction Non-reversible Product weight 190 g Pneumatic connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4	Ambient temperature	-10 °C 60 °C
Line installation With accessories Mounting position Any Flow direction Non-reversible Product weight 190 g Pneumatic connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4	For use in the food industry	See supplementary material information
Flow direction Non-reversible Product weight 190 g Pneumatic connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4	Type of mounting	Line installation
Product weight 190 g Pneumatic connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4	Mounting position	Any
Pneumatic connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4	Flow direction	Non-reversible
Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4	Product weight	190 g
Pneumatic connection 3 G1/4	Pneumatic connection 1	G1/4
	Pneumatic connection 2	G1/4
Seals material TPE-U(PU)	Pneumatic connection 3	G1/4
	Seals material	TPE-U(PU)

Feature	Value
Housing material	Die-cast aluminum