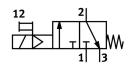
## Shut off valve MS4-EE-1/4-10V24-S-Z Part number: 542599

**FESTO** 





General operating condition

Actuation type Electrical Exhaust air function Manual override Manual override Mechanical spring Type of control Mechanical spring Type of control More and the function of the function o	Feature	Value
Exhaust air function Without flow control option  Manual override Non-detenting  Reset method Mechanical spring  Type of control  Symbol 00991008  Valve function 3/2, closed, monostable  Operating pressure 4 bar 10 bar  Lap Overlap  C value 9.5 l/sbar  D-value 0.44  Standard nominal flow rate 2000 l/min  Duty cycle 100%  Coil characteristics 24 V DC: 1.8 W  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 VDMA2/4564-B1/B2-L  Temperature of medium 10°C 50°C  For use in the food industry See supplementary material information  Type of mounting position Any  Mounting position Any  Preumatic connection 1 G1/4  Preumatic connection 3 G1/4  Preumatic connection 3 G1/4  Preumatic connection 3 G1/4  Preumatic connection 3 G1/4	Structural design	Piston gate valve
Manual override Reset method Mechanical spring Type of control Pilot-controlled Symbol Operating pressure 4 bar 10 bar Operating pressure 4 bar 10 bar Operating pressure 4 bar 10 bar Operating pressure Operating medium Operating of C Operating medium Operating operating medium Operating of C Operating operating medium Operating of C Operating operating medium Operating operating operating medium Operating operating medium Operating operating operating medium Operating operating operating medium Operating	Actuation type	Electrical
Reset method Type of control Type of control Pilot-controlled Symbol O0991008 Valve function 3/2, closed, monostable Operating pressure 4 bar 10 bar  Lap Overlap C value 9.5 l/sbar b-value Standard nominal flow rate Duty cycle 100% Coil characteristics 24 V DC: 1.8 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4-4] Inert gas Note on materials RoHS-compliant LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium 10° C 50 °C Degree of protection Ambient temperature For use in the food industry Type of mounting Mounting position Mounting position Product weight Preumatic connection 1 Preumatic connection 2 Preumatic connection 3 Portal preumatic connection 3 Portal preumatic connection 2 Portal preumatic connection 3 Portal preumatic connection 3 Portal preumatic connection 3 Portal preumatic connection 3 Pilot direction Portal preumatic connection 2 Preumatic connection 3 Pilot direction Preumatic connection 3	Exhaust air function	Without flow control option
Type of control Symbol O0991008 3/2, closed, monostable Operating pressure Lap Overlap C value O, 15 / 15 / 15 / 15 / 15 / 15 / 15 / 15	Manual override	Non-detenting
Symbol 00991008  Valve function 3/2, closed, monostable Operating pressure 4 bar 10 bar  Lap 0verlap C value 9.5 l/sbar D-value 0.44  Standard nominal flow rate 2000 l/min Duty cycle 100% Coil characteristics 24 V DC: 1.8 W Operating medium Competating 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 Temperature of medium -10 °C 50 °C Degree of protection   IP65 Ambient temperature   -10 °C 50 °C For use in the food industry See supplementary material information With accessories Mounting position   Any Flow direction Non-reversible   Product weight Product weight   289 g Product weight   289 g Product weight   289 g Pneumatic connection 2   63/4 Pneumatic connection 3   61/4	Reset method	Mechanical spring
Avalve function  3 /2, closed, monostable  Operating pressure  4 bar 10 bar  Overlap  C value  9.5 l/sbar  b-value  0.44  Standard nominal flow rate  Duty cycle  100%  Coil characteristics  24 V DC: 1.8 W  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  Temperature of medium  -10 °C 50 °C  Degree of protection  IP65  Ambient temperature  -10 °C 50 °C  For use in the food industry  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Mounting position  Product weight  Preumatic connection 1  G1/4  Pneumatic connection 2  G4/4  Pneumatic connection 3  G1/4  Pneumatic connection 3	Type of control	Pilot-controlled
Operating pressure  Lap Overlap Overlap C value 9.5 l/sbar  b-value 0.44  Standard nominal flow rate 2000 l/min Duty cycle 100% Coil characteristics 24 V DC: 1.8 W 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 Temperature of medium -10 °C 50 °C Degree of protection IP65 Ambient temperature -10 °C 50 °C Optionally: Line installation With accessories Mounting position Flow direction Non-reversible Product weight Pneumatic connection 2 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4 Pneumatic connection 3	Symbol	00991008
C value 9.5 l/sbar b-value 0.44  Standard nominal flow rate 2000 l/min Duty cycle 100%  Coil characteristics 24 V DC: 1.8 W  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  Temperature of medium -10 °C 50 °C  Degree of protection IP65  Ambient temperature 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 289 g  Pneumatic connection 2 G1/4  Pneumatic connection 3 G1/4  Pneumatic connection 3 G1/4	Valve function	3/2, closed, monostable
C value 9,5 l/sbar  b-value 0.44  Standard nominal flow rate 2000 l/min  Duty cycle 100%  Coil characteristics 24 V DC: 1.8 W  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  Temperature of medium -10 °C 50 °C  Degree of protection IP65  Ambient temperature -10 °C 50 °C  For use in the food industry See supplementary material information  Type of mounting Optionally: Line installation With accessories  Mounting position Any  Mounting position Non-reversible  Product weight 289 g  Pneumatic connection 2 G1/4  Pneumatic connection 3 G1/4  Pneumatic connection 3 G1/4	Operating pressure	4 bar 10 bar
b-value 0.44  Standard nominal flow rate 2000 l/min  Duty cycle 100%  Coil characteristics 24 V DC: 1.8 W  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  Temperature of medium -10 °C 50 °C  Degree of protection IP65  Ambient temperature -10 °C 50 °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 289 g  Pneumatic connection 1 G1/4  Pneumatic connection 2 G3/4  Pneumatic connection 3 G1/4	Lap	Overlap
Standard nominal flow rate  Duty cycle  Coil characteristics  24 V DC: 1.8 W  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  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 50 °C  For use in the food industry  See supplementary material information  Type of mounting  Mounting position  Mounting position  Mounting position  Product weight  Preumatic connection 1  G1/4  Pneumatic connection 2  Pneumatic connection 3  G1/4  Pneumatic connection 3  G1/4  Pneumatic connection 3	C value	9.5 l/sbar
Duty cycle  Coil characteristics  24 V DC: 1.8 W  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  Temperature of medium  -10 °C 50 °C  Degree of protection  IP65  Ambient temperature  -10 °C 50 °C  For use in the food industry  See supplementary material information  Type of mounting  Unionally: Line installation With accessories  Mounting position  Any  Flow direction  Non-reversible  Product weight  Preumatic connection 1  G1/4  Pneumatic connection 2  Pneumatic connection 3  G1/4  Pneumatic connection 3	b-value	0.44
Coil characteristics 24 V DC: 1.8 W  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  Temperature of medium -10 °C 50 °C  Degree of protection IP65  Ambient temperature  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 289 g  Pneumatic connection 1  Pneumatic connection 2  Pneumatic connection 3  G1/4  Pneumatic connection 3  G1/4  Pneumatic connection 3  G1/4	Standard nominal flow rate	2000 l/min
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  Temperature of medium  -10 °C 50 °C  Degree of protection  IP65  Ambient temperature  -10 °C 50 °C  See supplementary material information  Type of mounting  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Non-reversible  Product weight  Product weight  Pneumatic connection 1  G1/4  Pneumatic connection 2  Pneumatic connection 3  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  Operation with oil lubrication possible (required for further use)  2 - Moderate corrosion stress  ROHS-compliant  VDMA24364-B1/B2-L  -10 °C 50 °C  See supplementary material information  Optionally: Line installation With accessories  Mon-reversible  Fooluct weight  G1/4  Pneumatic connection 2  G1/4  Pneumatic connection 3  G1/4	Duty cycle	100%
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  Temperature of medium -10 °C 50 °C  Degree of protection IP65  Ambient temperature -10 °C 50 °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 Product weight Product connection 1 G1/4 Pneumatic connection 2 G1/4 Pneumatic connection 3 G1/4 Pneumatic connection 3	Coil characteristics	24 V DC: 1.8 W
Corrosion resistance class (CRC)  2 - Moderate corrosion stress  RoHS-compliant  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 50 °C  Degree of protection  Robient temperature  -10 °C 50 °C  For use in the food industry  Type of mounting  Mounting position  Any  Flow direction  Non-reversible  Product weight  Pneumatic connection 2  Pneumatic connection 2  G1/4  Pneumatic connection 3  Robiest corrosion stress  RoHS-compliant  2 - Moderate corrosion stress  RoHS-compliant  Any  VDMA24364-B1/B2-L  -10 °C 50 °C  See supplementary material information  Optionally: Line installation With accessories  Non-reversible  G1/4  Pneumatic connection 1  G1/4  Pneumatic connection 3  G1/4	Operating medium	
Note on materials  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 50 °C  Degree of protection  IP65  Ambient temperature  -10 °C 50 °C  For use in the food industry  See supplementary material information  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Product weight  Product weight  Pneumatic connection 1  G1/4  Pneumatic connection 2  G1/4  Pneumatic connection 3  G1/4	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 50 °C  Degree of protection  IP65  Ambient temperature  -10 °C 50 °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  289 g  Pneumatic connection 1  G1/4  Pneumatic connection 2  G4/4  Pneumatic connection 3  G1/4	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium  -10 °C 50 °C  Degree of protection  Ambient temperature  -10 °C 50 °C  For use in the food industry  Type of mounting  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Product weight  Product weight  Pneumatic connection 1  Pneumatic connection 2  G1/4  Pneumatic connection 3  -10 °C 50 °C  See supplementary material information  Optionally: Line installation With accessories  Any  See supplementary material information  Optionally: Line installation With accessories  Any  Flow direction  On-reversible  G1/4  G1/4  Pneumatic connection 2  G1/4  Pneumatic connection 3	Note on materials	RoHS-compliant
Degree of protection  Ambient temperature  For use in the food industry  Type of mounting  Mounting position  Flow direction  Product weight  Product weight  Pneumatic connection 2  Pneumatic connection 3  IP65  See supplementary material information  Optionally: Line installation With accessories  Any  Non-reversible  289 g  G1/4  Pneumatic connection 2  G1/4  Pneumatic connection 3  G1/4	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature -10 °C 50 °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 289 g  Pneumatic connection 1 G1/4  Pneumatic connection 2 G1/4  Pneumatic connection 3 G1/4	Temperature of medium	-10 °C 50 °C
For use in the food industry  Type of mounting  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Non-reversible  Product weight  289 g  Pneumatic connection 1  G1/4  Pneumatic connection 2  G1/4  Pneumatic connection 3  G1/4	Degree of protection	IP65
Type of mounting  Optionally: Line installation With accessories  Mounting position  Any  Flow direction  Non-reversible  Product weight  289 g  Pneumatic connection 1  G1/4  Pneumatic connection 2  G1/4  Pneumatic connection 3  G1/4	Ambient temperature	-10 °C 50 °C
Line installation With accessories  Mounting position Any Flow direction Non-reversible Product weight 289 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  289 g  Pneumatic connection 1  G1/4  Pneumatic connection 2  G1/4  Pneumatic connection 3  G1/4	Type of mounting	Line installation
Product weight 289 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	289 g
Pneumatic connection 3 G1/4	Pneumatic connection 1	G1/4
	Pneumatic connection 2	G1/4
Pilot air supply port Internal	Pneumatic connection 3	G1/4
	Pilot air supply port	Internal

Feature	Value
	Form C Plug as per DIN EN 175301-803 Rectangular design
Seals material	NBR
Housing material	Die-cast aluminum