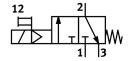
## Shut off valve MS4N-EE-1/8-10V24 Part number: 542589



## **Data sheet**



## General operating condition

Actuation typeElectricalExhaust air functionWithout flow control optionManual overrideNon-detentingReset methodMechanical springType of controlPilot-controlledSymbol00991008Valve function3/2, closed, monostableOperating pressure4 bar 10 barLapOverlapC value4.5 l/sbarb-value0.5Standard nominal flow rate1000 l/minDuty cycle100%Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per IS0 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corosion resistance class (CRC)2 · Moderate corosion stressNote on materialsRoH5-compilantLABS (PWIS) conformityVDMA24364-B1/B2-L1Temperature of medium-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installationType of mountingOptionally: Line installationType of mountingAnyFlow directionAnyPneumatic connection 11/8 NPTPneumatic connection 3G1/4	Feature	Value
Exhaust air function         Without flow control option           Manual override         Non-detenting           Reset method         Mechanical spring           Type of control         Pilot-controlled           Symbol         00991008           Valve function         3/2, closed, monostable           Operating pressure         4 bar 10 bar           Lap         Overlap           C value         4.5 1/sbar           b-value         0.5           Standard nominal flow rate         1000 1/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 fool industry         See supplementary material information           Ty	Structural design	Piston gate valve
Manual overrideNon-detentingReset methodMechanical springType of controlPilot-controlledSymbol00991008Valve function3/2, closed, monostableOperating pressure4 bar 10 barLapOverlapC value4.5 1/sbarb-value0.5Standard nominal flow rate1000 l/minDuty cycle100%Coll characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2. Moderate corrosion stressNote on materialsRoHS-compliantLASS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium10 °C 50 °CPer use in the food industrySee supplementary material informationType of mountingOptionally: Line installationType of mounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 3G1/4	Actuation type	Electrical
Reset method       Mechanical spring         Type of control       Pilot-controlled         Symbol       00991008         Valve function       3/2, closed, monostable         Operating pressure       4 bar 10 bar         Lap       Overlap         C value       4.5 1/sbar         b-value       0.5         Standard nominal flow rate       1000 1/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       Operations 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         For use in the food industry       See supplementary material information         Type of mounting       Optionally: Line installation With accessories         Mounting position       Any         Flow direction       Any         Product weight       273 g         Preumatic connection 1       1/8 NPT         Pneumatic connecti	Exhaust air function	Without flow control option
Type of controlPilot-controledSymbol00991008Symbol00991008Valve function3/2, closed, monostableOperating pressure4 bar 10 barLapOverlapC value4.5 1/sbarb-value0.5Standard nominal flow rate1000 //minDuty cycle100%Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsReHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow direction273 gPreumatic connection 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Manual override	Non-detenting
Any Symbol00991008Valve function3/2, closed, monostableOperating pressure4 bar 10 barLapOverlapC value4.5 l/sbarb-value0.5Standard nominal flow rate1000 l/minDuty cycle100%Coll characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium10 °C 50 °CDegree of protection1P65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow direction 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Reset method	Mechanical spring
Valve function3/2, closed, monostableOperating pressure4 bar 10 barLapOverlapC value4.5 l/sbarb-value0.5Standard nominal flow rate1000 l/minDuty cycle100%Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow direction273 gPneumatic connection 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Type of control	Pilot-controlled
Operating pressure4 bar 10 barLapOverlapC value4.5 1/sbarb-value0.5Standard nominal flow rate1000 1/minDuty cycle100%Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow direction273 gPneumatic connection 11/8 NPTPneumatic connection 3G1/4	Symbol	00991008
LapOverlapC value4.5 l/sbarb-value0.5Standard nominal flow rate1000 l/minDuty cycle100%Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Uine installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Valve function	3/2, closed, monostable
C value4.5 l/sbarb-value0.5Standard nominal flow rate1000 l/minDuty cycle100%Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Utine installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Operating pressure	4 bar 10 bar
b-value0.5Standard nominal flow rate1000 l/minDuty cycle100%Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 · Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDM24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionIP85Product weight273 gPneumatic connection 11/8 NPTPneumatic connection 21/4	Lap	Overlap
Standard nominal flow rate1000 l/minDuty cycle100%Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installston With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 3G1/4	C value	4.5 l/sbar
Duty cycle100%Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: With accessoriesMounting positionAnyFlow direction1/8 NPTPneumatic connection 11/8 NPTPneumatic connection 3G1/4	b-value	0.5
Coil characteristics24 V DC: 1.8 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow direction1/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Standard nominal flow rate	1000 l/min
Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4] Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow direction1/8 NPTPneumatic connection 21/4 NPT	Duty cycle	100%
Inert gasInformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Coil characteristics	24 V DC: 1.8 W
Corrosion resistance class (CRC)2 - Moderate corrosion stressNote on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Operating medium	
Note on materialsRoHS-compliantLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
LABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 3G1/4	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium-10 °C 50 °CDegree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 3G1/4	Note on materials	RoHS-compliant
Degree of protectionIP65Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 21/4	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature-10 °C 50 °CFor use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Temperature of medium	-10 °C 50 °C
For use in the food industrySee supplementary material informationType of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Degree of protection	IP65
Type of mountingOptionally: Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Ambient temperature	-10 °C 50 °C
Line installation With accessoriesMounting positionAnyFlow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	For use in the food industry	See supplementary material information
Flow directionNon-reversibleProduct weight273 gPneumatic connection 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 361/4	Type of mounting	Line installation
Product weight273 gPneumatic connection 11/8 NPTPneumatic connection 21/8 NPTPneumatic connection 3G1/4	Mounting position	Any
Pneumatic connection 1     1/8 NPT       Pneumatic connection 2     1/8 NPT       Pneumatic connection 3     G1/4	Flow direction	Non-reversible
Pneumatic connection 2 1/8 NPT Pneumatic connection 3 G1/4	Product weight	273 g
Pneumatic connection 3 G1/4	Pneumatic connection 1	1/8 NPT
	Pneumatic connection 2	1/8 NPT
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