Soft start valve **MS6N-DE-1/2-V110** Part number: 532042



Data sheet

Actuation type Electrical Mounting position Any Manual override Detenting Non-detenting Non-detenting Structural design Piston seat Reset method Mechanical spring Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Valve function 2/2 Switching position indication with accessories Operating pressure 4 bar18 bar b-value 0.39 C value 28.97 I/sbar Standard nominal flow rate 6450 l/min Duty cycle 100% Coli characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Certification c LL - Recognized (OL) 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) Carbod resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L For use	Feature	Value
Manual overrideDetenting Non-detentingStructural designPiston seatReset methodMechanical springType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleValve function2/2Switching position indicationwith accessoriesOperating pressure4 bar18 barb-value0.39C value28.97 I/sbarStandard nominal flow rate6450 l/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationC UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Actuation type	Electrical
Non-detentingStructural designPiston seatReset methodMechanical springType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleValve function2/2Switching position indicationwith accessoriesOperating pressure4 bar18 barb-value0.39C value28.97 I/sbarStandard nominal flow rate6450 I/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationC UL - Recognized (OL)Operating 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)Corrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Mounting position	Any
Reset methodMechanical springType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleValve function2/2Switching position indicationwith accessoriesOperating pressure4 bar18 barb-value0.39C value28.97 l/sbarStandard nominal flow rate6450 l/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Manual override	
Type of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleValve function2/2Switching position indicationwith accessoriesOperating pressure4 bar18 barb-value0.39C value28.97 l/sbarStandard nominal flow rate6450 l/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Structural design	Piston seat
Pilot air supply portInternalFlow directionNon-reversibleValve function2/2Switching position indicationwith accessoriesOperating pressure4 bar18 barb-value0.39C value28.97 l/sbarStandard nominal flow rate6450 l/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Reset method	Mechanical spring
Flow directionNon-reversibleValve function2/2Switching position indicationwith accessoriesOperating pressure4 bar18 barb-value0.39C value28.97 l/sbarStandard nominal flow rate6450 l/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Type of control	Pilot-controlled
Valve function2/2Switching position indicationwith accessoriesOperating pressure4 bar18 barb-value0.39C value28.97 l/sbarStandard nominal flow rate6450 l/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Pilot air supply port	Internal
Switching position indicationwith accessoriesOperating pressure4 bar18 barb-value0.39C value28.97 l/sbarStandard nominal flow rate6450 l/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Flow direction	Non-reversible
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C value28.97 l/sbarStandard nominal flow rate6450 l/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Operating pressure	4 bar18 bar
Standard nominal flow rate6450 l/minDuty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	b-value	0.39
Duty cycle100%Coil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VACertificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	C value	28.97 l/sbar
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Certificationc UL - Recognized (OL)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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Duty cycle	100%
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 stressLABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Coil characteristics	110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA
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LABS (PWIS) conformityVDMA24364-B1/B2-LFor use in the food industrySee supplementary material informationTemperature of medium-10 °C60 °CDegree of protectionIP65	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
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Temperature of medium -10 °C60 °C Degree of protection IP65	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Degree of protection IP65	For use in the food industry	See supplementary material information
	Temperature of medium	-10 °C60 °C
Ambient temperature -10 °C60 °C	Degree of protection	IP65
	Ambient temperature	-10 °C60 °C
Product weight 680 g	Product weight	680 g
Electrical connection Form C Plug as per DIN EN 175301-803 Rectangular design	Electrical connection	Plug as per DIN EN 175301-803
Signal status display With accessories	Signal status display	With accessories

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Feature	Value
Type of mounting	Line installation With accessories Optionally:
Pneumatic connection 1	1/2 NPT
Pneumatic connection 2	1/2 NPT
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum