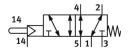
Stem actuated valve VMEF-SCZ-M52-M-G18

FESTO

Part number: 8031328





Data sheet

ype of actuation Mechanical Construction width 20 mm Standard nominal flow rate (standardised to DIN 1343) 750 l/min Consumatic working port 61/8 Operating pressure -0.095 MPa1 MPa -0.095 bar10 bar Piston gate valve Wechanical spring Nominal size 75.2 mm Instructions on use Do not use as a mechanical stop Soft Mounting position optional Pilot actuated Pilot actuated Pilot pressure 0.25 MPa1 MPa -2.5 bar10 bar Overlap Overlap Overlap Overlap Aux. switching frequency 3 Hz Explosion protection 20.25 MPa1 MPa -2.5 bar10 bar -2.6 Sps1.45 psi Max. switching frequency 3 Hz Cone 2 (ATEX) Cone	Feature	Value
20 mm 20 mm 20 mm 20 mm 20 mm 20 mm 20 mm	Valve function	5/2-way, monostable
Standard nominal flow rate (standardised to DIN 1343) Foreumatic working port Foreumatic working port Foreign Fiston gate valve Fiston gate valve Fiston gate valve Mechanical spring Foreign Fiston gate valve Mechanical spring Foreign	Type of actuation	Mechanical
G1/8 Operating pressure	Construction width	20 mm
Departing pressure -0.95 bar10 bar Piston gate valve Piston gate valve Mechanical spring Mechanical spring Do not use as a mechanical stop Soft Mounting position Optional Pilot actuated Pilot air supply External Power sible Overlap Overlap Pilot pressure -0.25 MPa1 MPa -2.5 bar10 bar -36.25 psi145 psi Max. switching frequency 3 Hz Exposion protection Departing medium Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation stress ABS (PWIS) conformity VDMA2364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Standard nominal flow rate (standardised to DIN 1343)	750 l/min
-0.95 bar10 bar Piston gate valve Piston gate valve Mechanical spring Sominal size 5.2 mm Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Pijot actuated Pilot air supply External Reversible App Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Alax. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:**] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Policia resistance class CRC 2 Moderate corrosion stress App (VDMA24364-B1/B2-L Voldeida temperature And Compressed air to ISO 8573-1:2010 [7:**] Policia resistance class CRC 2 Moderate corrosion stress App (VDMA24364-B1/B2-L Voldeida temperature -10 °C60 °C Ambient temperature -10 °C60 °C	pneumatic working port	G1/8
Mechanical spring Nominal size Soft Nominal size Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Vipe of piloting Pilot actuated External Reversible Application Reversible Application Ap	Operating pressure	
Sominal size Instructions on use Do not use as a mechanical stop Soft Mounting position Optional Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Overlap Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 22 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature Ambient temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Design	Piston gate valve
Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Pilot actuated Pilot air supply External Town direction Application Pilot pressure Overlap Pilot pressure Ouerlap Pilot pressure Ouerlap Application Application Application Application Application Application Application Application Application Departing frequency Application Departing medium Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity Media temperature Application Do not use as a mechanical stop Optional Optional Pilot actuated Overlap Overlap Overlap Overlap Overlap Ouerlap Ouer	Type of reset	Mechanical spring
Soft Mounting position Optional Pilot actuated Reversible Overlap Overlap Pilot pressure Overlap O	Nominal size	5.2 mm
Mounting position optional Pilot actuated Pilot air supply External Reversible Overlap Overlap Outlot pressure O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Instructions on use	Do not use as a mechanical stop
Pilot actuated External External Reversible Overlap Overlap Pilot pressure Axa, switching frequency Explosion protection Operating medium Compressed air to ISO 8573-1:2010 [7::] Note on operating and pilot medium Corrosion resistance class CRC Axabs (PWIS) conformity VDMA24364-B1/B2-L Axabient temperature Pilot actuated External External External Reversible Overlap	Sealing principle	Soft
External Reversible Overlap Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency Steplosion protection Support (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Cone 22 (ATEX) Cone 22 (ATEX) Cone 25 MPa10 bar 36.25 psi145 psi Associated by the second	Mounting position	optional
Reversible Overlap Overlap Oliot pressure O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency Sample of the second of the s	Type of piloting	Pilot actuated
Overlap O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency Sample Standard Stand	Pilot air supply	External
Dilot pressure 0.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Flow direction	Reversible
2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Operating medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	lap	Overlap
Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Departing medium Compressed air to ISO 8573-1:2010 [7:-:-] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Pilot pressure	2.5 bar10 bar
Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Deparating medium Compressed air to ISO 8573-1:2010 [7:-:-] Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Max. switching frequency	3 Hz
Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L Vedia temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Explosion protection	Zone 2 (ATEX) Zone 21 (ATEX)
always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
ABS (PWIS) conformity VDMA24364-B1/B2-L 4ndedia temperature -10 °C60 °C -10 °C60 °C -10 °C60 °C	Note on operating and pilot medium	
Media temperature -10 °C60 °C -10 °C60 °C	Corrosion resistance class CRC	2 - Moderate corrosion stress
Ambient temperature -10 °C60 °C	LABS (PWIS) conformity	VDMA24364-B1/B2-L
	Media temperature	-10 °C60 °C
Actuating force 14 N	Ambient temperature	-10 °C60 °C
	Actuating force	14 N

Feature	Value
Product weight	151 g
Type of mounting	With through-hole
Pilot air port 12/14	M5
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Note on materials	RoHS-compliant
Material cover	PA-reinforced
Material seals	NBR
Material housing	Anodised wrought aluminium alloy