## Stem actuated valve VMEF-SCZ-M52-E-G14

**FESTO** 

Part number: 8031323





## **Data sheet**

Type of actuation Mechanical  Construction width 20 mm  Standard nominal flow rate (standardised to DIN 1343) 1200 l/min  peneumatic working port 6,1  Operating pressure -0.095 MPa1 MPa -0.95 bar10 bar  Design Piston gate valve  Present Pneumatic spring  Nominal size 7 mm  Instructions on use Do not use as a mechanical stop  Sealing principle Soft  Mounting position optional  Type of piloting Pilot actuated  Pilot air supply External  Flow direction Reversible  ap Overlap  Pilot pressure 0,25 MPa1 MPa -2.5 bar10 bar -3.6.25 psi145 psi  Max. switching frequency 3 Hz  Explosion protection 2 Cone 22 (ATEX) -2 Cone 21 (ATEX) -2 Cone 22 (ATEX) -2 Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L  Media temperature -10 °C60 °C  Ambient temperature  Media temperature  Ambient temperature  Jogs MRA And Pa -2 Co 60 °C  Ambient temperature  Jogs Media temperature  Jogs Medi	Feature	Value
Construction width 20 mm  Standard nominal flow rate (standardised to DIN 1343) 1200 I/min  Operating pressure -0.095 MPa10 MPa -0.95 bar10 bar  Design Piston gate valve  Prype of reset Pneumatic spring  Nominal size 7 mm  Instructions on use Do not use as a mechanical stop  Sealing principle Soft  Mounting position optional  Priot actuated  Pilot actuated  Pilot ari supply External  Filod direction Reversible  Operating  Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi  Max. switching frequency 3 Hz  Explosion protection 200 22 (ATEX) 200 23 (ATEX) 200 24 (ATEX) 200 25 (ATEX) 200 25 (ATEX) 200 26 (ATEX) 200 26 (ATEX) 200 27 (ATEX) 200 27 (ATEX) 200 28 (ATEX) 200 29 (	Valve function	5/2-way, monostable
Standard nominal flow rate (standardised to DIN 1343)  presentatic working port  Derating pressure  -0.95 MPa1 MPa -0.95 bar10 bar  Design  Piston gate valwe  Pheumatic spring  Nominal size  7 mm  Instructions on use  Do not use as a mechanical stop  Sealing principle  Soft  Mounting position  Optional  Type of pioting  Pilot actuated  Pilot air supply  External  Flow direction  Reversible  Operating  Deplict pressure  -0.25 MPa1 MPa -2.5 bar10 bar -36.25 psi145 psi  Max. switching frequency  Explosion protection  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)  Lubricated operation possible (in which case lubricated operation will always be required)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Media temperature  Ambient temperature  -10 °C60 °C	Type of actuation	Mechanical
Operating pressure Operating pre	Construction width	20 mm
Operating pressure  -0.95 bar10 bar  Piston gate valve Prope of reset  Nominal size  7 mm  Do not use as a mechanical stop  Sealing principle  Soft  Mounting position  Optional  Pilot actuated  Pilot actuated  Pilot air supply  External  Flow direction  Appear  Pilot pressure  -0.25 MPa1 MPa -0.95 bar10 bar -36.25 psi145 psi  Max. switching frequency  3 Hz  Explosion protection  Corporating medium  Note on operating and pilot medium  Lubricated operation stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Media temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C	Standard nominal flow rate (standardised to DIN 1343)	1200 l/min
-0.95 bar10 bar  Piston gate valve  Prope of reset Pneumatic spring  Nominal size 7 mm Instructions on use Do not use as a mechanical stop  Soft Mounting position Optional  Pijot actuated  Pilot air supply Flow direction Reversible  Jap 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 22 (ATEX) Corporating 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)  Media temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C  Pinamatic spring Pieton gate valve Pneumatic spring Piston gate valve Pneumatic spring Pieton gate valve Pneumatic spring Pneumation Pneumatic spring Pneumatic spring Pneumatic spring Pneumatic	pneumatic working port	G1/4
Pneumatic spring Nominal size 7 mm Instructions on use Do not use as a mechanical stop Sealing principle Soft Mounting position Optional Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible App Overlap Pilot pressure Oze MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi Max. switching frequency 3 Hz Explosion protection Corporating medium Corporating medium Note on operating and pilot medium Corrosion resistance class CRC 2 - Moderate corrosion stress WDMA24364-B1/B2-L Media temperature Anbient temperature Pont optional Pont on out see as a mechanical stop Pneumatic spring Pneumati	Operating pressure	
Nominal size  Nominal size  Instructions on use  Do not use as a mechanical stop  Sealing principle  Soft  Mounting position  Type of piloting  Pilot actuated  Pilot air supply  External  Flow direction  Reversible  Iap  Overlap  Pilot pressure  O.25 MPa1 MPa 2.5 bar10 bar 36.25 bai145 psi  Max. switching frequency  3 Hz  Explosion protection  Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (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  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Media 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  Type of piloting Pilot air supply External Flow direction Approximate Approxi	Type of reset	Pneumatic spring
Sealing principle  Soft  Mounting position  Optional  Type of piloting  Pilot actuated  Pilot air supply  External  Flow direction  Reversible  Overlap  Pilot pressure  O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi  Max. switching frequency  Explosion protection  Zone 1 (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  VDMA24364-B1/B2-L  Media temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C	Nominal size	7 mm
Mounting position  optional  Pilot actuated  Pilot air supply  External  Reversible  ap  Overlap  Pilot pressure  0.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi  Max. switching frequency  Explosion protection  Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) 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  VDMA24364-B1/B2-L  Media temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C	Instructions on use	Do not use as a mechanical stop
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 Sexplosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Cone perating 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 LABS (PWIS) conformity VDMA24364-B1/B2-L Media temperature -10 °C60 °C Ambient temperature -10 °C60 °C	Sealing principle	Soft
External Flow direction Reversible  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 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Poperating 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  LABS (PWIS) conformity VDMA24364-B1/B2-L  Media temperature -10 °C60 °C  Ambient temperature -10 °C60 °C	Mounting position	optional
Reversible  Overlap  Overlap  Overlap  O.25 MPa1 MPa 2.5 bar10 bar 36.25 psi145 psi  Max. switching frequency  Explosion protection  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  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C	Type of piloting	Pilot actuated
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 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  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Media temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C	Pilot air supply	External
Pilot 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  LABS (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  Explosion protection  Comperating 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  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Media temperature  -10 °C60 °C  Ambient temperature  -10 °C60 °C	lap	Overlap
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  LABS (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)  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  LABS (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  Media 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  LABS (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:-:-]
VDMA24364-B1/B2-L  Media temperature -10 °C60 °C  Ambient temperature -10 °C60 °C	Note on operating and pilot medium	
Media temperature -10 °C60 °C -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	183 g
Type of mounting	With through-hole
Pilot air port 12/14	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Note on materials	RoHS-compliant
Material cover	PA-reinforced
Material seals	NBR
Material housing	Anodised wrought aluminium alloy