

## Pinch valves VZQA

**FESTO**



## Key features

## Application

- The pinch valve is a 2/2-way valve used to control liquid and powdery media, solids as well as a mixture of substances.

## Design

- Easy-to-clean housing (clean design)
- Open or closed in normal position
- Shut-off element made of elastomer

## Areas of application

- Filling systems
- Dosing and weighing systems
- Powder coating systems
- Suction and compressed air control units
- Pneumatic conveying systems
- Sandblast systems

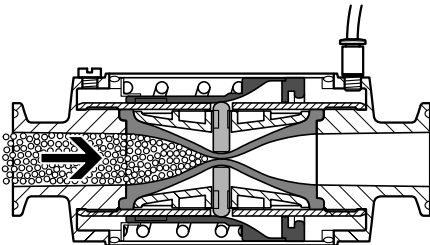
Examples of flow media:

- Granules
- Powder
- Dust
- Liquids containing solids
- Fibrous products
- Highly viscous media
- Abrasive media
- Corrosive media
- Paste-like media

## Function

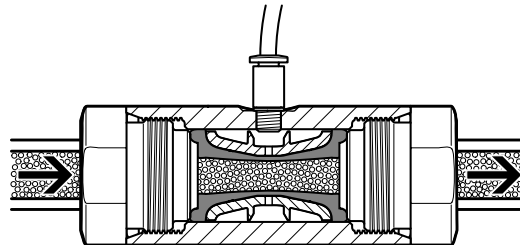
The pinch valve is a 2/2-way valve with a tubular pinch sleeve made of elastomer. The free passage when the valve is opened ensures minimum flow resistance and prevents the valve becoming blocked or clogged.

## VZQA-C-M22C (normally closed)




In the normal position, the pinch valve is closed. The pinch valve sleeve opens when the valve is pressurised, releasing the material flow. When pressure is no longer applied, a spring closes the valve. The valve can be used to shut off liquid and gaseous media.

## VZQA-C-M22U (normally open)

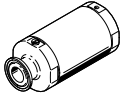
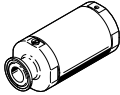
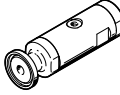
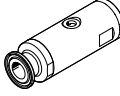
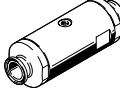


In the normal position, the pinch valve is open. The pinch valve sleeve closes when the valve is pressurised, shutting off the material flow. When pressure is no longer applied, the valve opens due to the inherent stress of the pinch valve sleeve or the pressure of the flow medium. The valve can be used to shut off liquid and powdery media, solids (granules) as well as a mixture of substances.

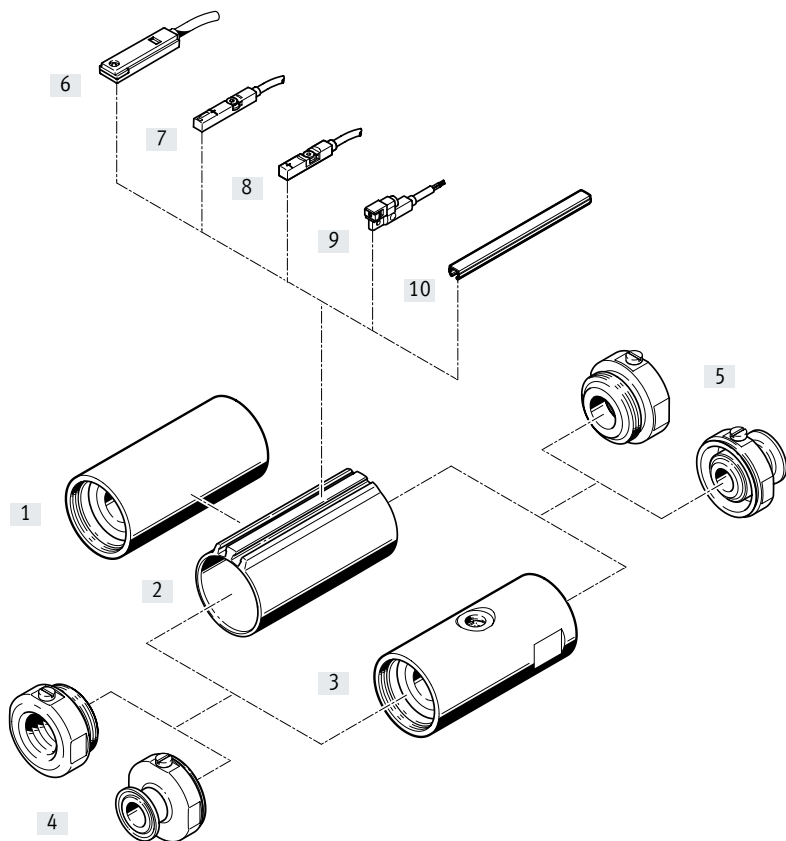
 **Note**

The hermetic separation between the media circuit and control circuit is no longer guaranteed if wear causes the pinch valve sleeve to leak. The flow medium can then get into the control circuit, from where it can escape. Any potential hazard (e.g. due to aggressive or hot media) must be ruled out. The compressed air supply to the control valve must be protected against the ingress of the flow medium using a suitable check valve, or suitable protection against return flow must be integrated in the pilot line in the immediate vicinity of the media valve. Pilot medium can get into the media circuit if the pinch valve sleeve fails. The media circuit must therefore be sized for the set operating pressure. Any potential hazard must be ruled out.

## Product range overview

Type		Nominal width DN	Valve body connection	Flow rate  [m <sup>3</sup> /h]	Pilot air connection 12, max. permissible screw-in depth	→ Page/Internet
Normally closed M22C						
	VZQA-C-M22C	6	G1/4	0.7	M3, 3 mm	6
			1/4 NPT			
			Clamp ferrule to DIN 32676, series A			
			Clamp ferrule to ASME-BPE, type A			
	VZQA-C-M22C	15	G1/2	5	M5, 5 mm	6
			1/2 NPT			
			Clamp ferrule to DIN 32676, series A			
			Clamp ferrule to ASME-BPE, type A			
Normally open M22U						
	VZQA-C-M22U	6	G1/4	0.7	M5, 4.5 mm	9
			1/4 NPT			
			Clamp ferrule to DIN 32676, series A			
			Clamp ferrule to ASME-BPE, type A			
	VZQA-C-M22U	15	G1/2	5	G1/8, 5 mm	9
			1/2 NPT			
			Clamp ferrule to DIN 32676, series A			
			Clamp ferrule to ASME-BPE, type A			
	VZQA-C-M22U	25	G1	18	G1/8, 6 mm	9
			1 NPT			
			Clamp ferrule to DIN 32676, series A			
			Clamp ferrule to ASME-BPE, type B			

Peripherals overview



Accessories	Description	→ Page/Internet
Basic body		6
[1] VZQA-C-M22C	<ul style="list-style-type: none"> <li>• Normally closed</li> <li>• "Stainless steel housing material" variant</li> </ul>	6
[2] VZQA-C-M22C	<ul style="list-style-type: none"> <li>• Normally closed</li> <li>• "Aluminium housing material" variant (always with T-slots)</li> <li>• Integrated ring magnet only available when "End-position sensing type" is selected</li> </ul>	
[3] Basic body VZQA-C-M22U	Normally open	9
[4] Connection 1	Various connections are available: <ul style="list-style-type: none"> <li>• G female thread</li> <li>• NPT female thread</li> <li>• Clamp ferrule DIN 32676, series A</li> <li>• Clamp ferrule ASME-BPE, type A</li> <li>• Clamp ferrule ASME-BPE, type B</li> </ul>	-
[5] Connection 2	Various connections are available: <ul style="list-style-type: none"> <li>• G female thread</li> <li>• NPT female thread</li> <li>• Clamp ferrule DIN 32676, series A</li> <li>• Clamp ferrule ASME-BPE, type A</li> <li>• Clamp ferrule ASME-BPE, type B</li> </ul>	-
Proximity switches for T-slot		14
[6] SME-8	Magnetic reed, insertable in the slot lengthwise	14
[7] SME-8M	Magnetic reed, insertable in the slot from above	
[8] SMT-8M	Magneto-resistive, insertable in the slot from above, to EU Explosion Protection Directive	
[9] SMT-8G	Magneto-resistive, insertable in the slot lengthwise	
[10] Slot cover ABP-5-S	To protect the sensor cables and slots from contamination	15

## Type codes

001	Series
<b>VZQA</b>	Pinch valve, pneumatically actuated
002	Product version
<b>C</b>	Easy-to-clean design
003	Valve function
<b>M22C</b>	2/2-way valve, normally closed
<b>M22U</b>	2/2-way valve, normally open
004	Nominal diameter DN [mm]
<b>6</b>	6
<b>15</b>	15
<b>25</b>	25
005	Process valve connection type 1
<b>G</b>	G female thread
<b>T</b>	NPT female thread
<b>S1</b>	Clamp ferrule to ASME-BPE, type A
<b>S5</b>	Clamp ferrule to DIN 32676, series A
<b>S12</b>	Clamp ferrule to ASME-BPE, type B
006	Process valve connection type 2
<b>G</b>	G female thread
<b>T</b>	NPT female thread
<b>S1</b>	Clamp ferrule to ASME-BPE, type A
<b>S5</b>	Clamp ferrule to DIN 32676, series A
<b>S12</b>	Clamp ferrule to ASME-BPE, type B

007	Housing material
<b>AL</b>	Aluminium
<b>V2</b>	Stainless steel (nickel-chrome austenitic/1.4301, 1.4303, 1.4306 (AISI 304L))
<b>V4</b>	Stainless steel (chrome-nickel-molybdenum, austenitic/1.4401, 1.4404 (AISI 316L), 1.4408)
008	Housing cover material
<b>AL</b>	Aluminium
<b>V4</b>	Stainless steel
<b>POM</b>	Polyoxymethylene
009	Shut-off element material
<b>E</b>	EPDM
<b>N</b>	NBR
<b>S1</b>	Silicone
010	Pressure range of media
<b>4</b>	0 ... 4 bar
<b>6</b>	0 ... 6 bar
011	Type of sensing
	None
<b>E</b>	End positions

## Data sheet M22C



General technical data		
Nominal width DN	6	15
Nominal pressure of valve body PN	10	
Design	Pinch valve, pneumatically actuated	
Actuation type	Pneumatic	
Sealing principle	Soft	
Mounting position	Any	
Valve function	2/2-way closed, single solenoid	
Flow direction	Reversible	
Reset method	Mechanical spring	
Type of pilot control	Externally piloted	
Type of mounting	In-line installation	
Auxiliary pilot air connection 12	M3	M5
Switching time on [ms]	125	150
Switching time off [ms]	125	250
Flow rate Kv [m <sup>3</sup> /h]	0.7	5
Max. viscosity [mm <sup>2</sup> /s]	4000	

Operating and environmental conditions		
Nominal width DN	6	15
Operating pressure [bar]	3.5 ... 6	
Burst pressure [bar]	16	
Pressure of medium [bar]	0 ... 4	0 ... 6
Ambient temperature [°C]	-5 ... +60	
Temperature of medium [°C]	-5 ... +100	
Storage temperature [°C]	6 ... 8	
Suitability for use in the food industry <sup>1)</sup>	See supplementary material information	
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:1]	
Medium	Compressed air to ISO 8573-1:2010 [-:1]	
	Water	

1) Additional information is available at [www.festo.com/sp](http://www.festo.com/sp) → Certificates.

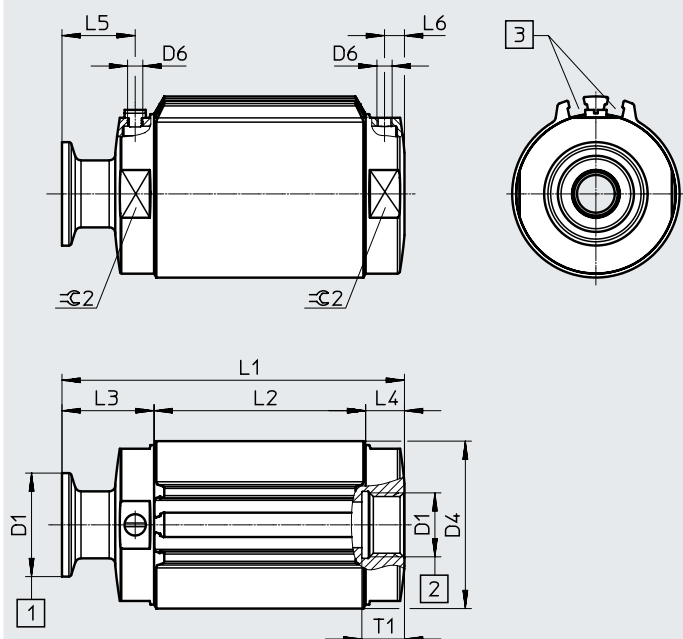
Materials		Material number
Housing		
V2V4	High-alloy stainless steel	1.4301
ALV4	Wrought aluminium alloy	-
Housing cover	High-alloy stainless steel	1.4435
Bowl		
Nominal width DN6	PPS	
Nominal width DN15	PA6	
Seals	FPM	
Shut-off element	EPDM	
Note on materials		
	RoHS-compliant	
	Contains paint-wetting impairment substances	

## Data sheet M22C

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Illustration – connection 1: clamp ferrule to DIN 32676, series A; connection 2: G1/2



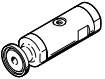
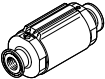
[1] Connection 1

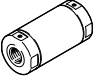
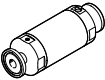
[2] Connection 2

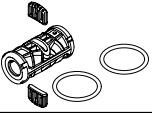
[3] Sensor slot

Valve body connection	D1	Housing material	D4 ø	D6	L2	L3	L4	L5	L6	T1	⊕ 2
<b>Nominal width DN6</b>											
G	G1/4	V2	33.6	M3	47.2	10.9	10.9	4.8	4.8	12	32
T	1/4 NPT					10.9	10.9	4.8	4.8	10	
S5	DIN 32676, series A					24	24	17.9	17.9	–	
S1	ASME-BPE, type A					24	24	17.9	17.9	–	
<b>Nominal width DN15</b>											
G	G1/2	V2	52.4	M5	69.5	12.8	12.8	6.6	6.6	14	50
		AL	55			12.8	12.8	6.6	6.6		
T	1/2 NPT	V2	52.4			12.8	12.8	6.6	6.6		
		AL	55			12.8	12.8	6.6	6.6		
S5	DIN 32676, series A	V2	55			30.3	30.3	24	24		
S1	ASME-BPE, type A	V2	55			30.3	30.3	24	24		
<b>Valve body combinations</b>											
										L1	
<b>Nominal width DN6</b>											
GG										69	
GT, TT, TG										69	
S1S1, S1S5, S5S5, S5S1										95.1	
S1G, S1T, GS1, TS1, S5G, S5T, GS5, TS5										82.1	
<b>Nominal width DN15</b>											
GG										95	
GT, TT, TG										95	
S1S1, S1S5, S5S5, S5S1										130	
S1G, S1T, GS1, TS1, S5G, S5T, GS5, TS5										112.5	

## Data sheet M22C

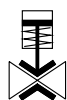
Ordering data						
Pinch valves	Nominal width DN	Valve body connection	Shut-off element material	Weight [g]	Part no.	Type
	15	G1/2	EPDM	536	<b>3412426</b>	<b>VZQA-C-M22C-15-GG-V2V4E-6</b>
		Clamp ferrule to DIN 32676, series A		666	<b>3412424</b>	<b>VZQA-C-M22C-15-S5S5-V2V4E-6</b>
With integrated ring magnet for sensing the end positions						
	15	Clamp ferrule to DIN 32676, series A	EPDM	607	<b>3412425</b>	<b>VZQA-C-M22C-15-S5S5-ALV4E-6-E</b>

Ordering data						
Pinch valves	Nominal width DN	Valve body connection	Shut-off element material	Weight [g]	Part no.	Type
	6	G1/4	EPDM	253	<b>8091739</b>	<b>VZQA-C-M22C-6-GG-V2V4E-4</b>
		1/4 NPT		253	<b>4748311</b>	<b>VZQA-C-M22C-6-TT-V2V4E-4</b>
	6	Clamp ferrule to DIN 32676, series A	EPDM	311	<b>8079857</b>	<b>VZQA-C-M22C-6-S5S5-V2V4E-4</b>
		Clamp ferrule to ASME-BPE, type A		302	<b>8079858</b>	<b>VZQA-C-M22C-6-S1S1-V2V4E-4</b>

Ordering data						
Seal cartridge	Nominal width DN	Storage temperature [°C]	Shut-off element material	Note on materials	Part no.	Type
	6	6 ... 8	EPDM	RoHS-compliant	<b>3418620</b>	<b>VAVC-Q2-M22C-6-E</b>
	15	6 ... 8	EPDM	RoHS-compliant	<b>3418619</b>	<b>VAVC-Q2-M22C-15-E</b>



## Data sheet M22U



General technical data				
Nominal width DN		6	15	25
Nominal pressure of valve body PN		10		
Design		Pinch valve, pneumatically actuated		
Actuation type		Pneumatic		
Sealing principle		Soft		
Mounting position		Any		
Valve function		2/2 open, single solenoid		
Flow direction		Reversible		
Reset method		Rebound resilience		
Type of pilot control		Externally piloted		
Type of mounting		In-line installation		
Auxiliary pilot air connection 12		M5	G1/8	G1/8
Switching time on	[ms]	125	250	250
Switching time off	[ms]	125	250	250
Flow rate Kv	[m <sup>3</sup> /h]	0.7	5	18
Max. viscosity	[mm <sup>2</sup> /s]	4000		

Materials				
VZQA-C-M22U-...	V4V4	ALAL	ALV4	ALPOM
Housing	High-alloy stainless steel	Wrought aluminium alloy		
Housing cover	High-alloy stainless steel	Wrought aluminium alloy	High-alloy stainless steel	POM
Bowl	PA6			
Seals	FPM			
Note on materials				
For shut-off element NBR, EPDM, VMQ	RoHS-compliant			
For shut-off element VMQ	Contains paint-wetting impairment substances			

## Data sheet M22U

Operating and environmental conditions		6	15	25
Nominal width DN				
Operating pressure	[bar]	1 ... 6.5		
Overload pressure	[bar]	7.8		
Pressure of medium	[bar]	0 ... 4		
Differential pressure				
For shut-off element NBR, EPDM	[bar]	2.5	2.5	2.5
For shut-off element VMQ	[bar]	2.5	2.5	3
Burst pressure	[bar]	16		
Ambient temperature	[°C]	-5 ... +60		
Temperature of medium				
For shut-off element NBR	[°C]	-5 ... +60		
For shut-off element EPDM	[°C]	-5 ... +100		
For shut-off element VMQ	[°C]	-5 ... +150		
Storage temperature				
For shut-off element NBR, EPDM	[°C]	6 ... 8		
For shut-off element VMQ	[°C]	5 ... 30		
Suitability for use in the food industry				
For shut-off element EPDM		See supplementary material information <sup>1)</sup>		
For shut-off element NBR, VMQ		See declaration of conformity		
Pilot medium				
For shut-off element EPDM		Compressed air to ISO 8573-1:2010 [7:4:1]		
For shut-off element NBR, VMQ		Compressed air to ISO 8573-1:2010 [7:4:4]		
Medium				
For shut-off element EPDM		Compressed air to ISO 8573-1:2010 [:::1]		
		Water		
For shut-off element NBR, VMQ		Compressed air to ISO 8573-1:2010 [:::]		

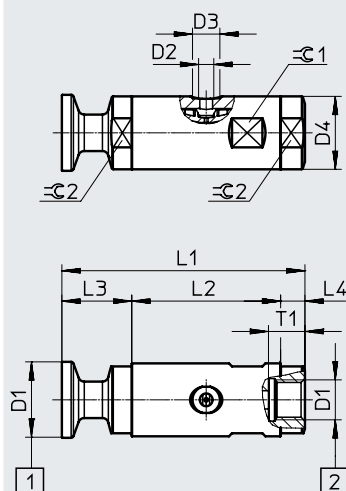
1) Additional information is available at [www.festo.com/sp](http://www.festo.com/sp) → Certificates.

## Data sheet M22U

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

Illustration – connection 1: clamp ferrule to DIN 32676, series A; connection 2: G1/2

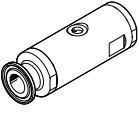


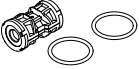
[1] Connection 1

[2] Connection 2

Valve body connection	D1	Housing cover material	D2	D3 ø	D4 ø	L2	L3	L4	T1	⊙ 1	⊙ 2
<b>Nominal width DN6</b>											
G	G1/4	V4, AL	M5	9	24	49	8	8	12	22	22
T	1/4 NPT	V4, AL					8	8			
S5	DIN 32676, series A	V4					23	23			
S1	ASME-BPE, type A	V4					23	23			
<b>Nominal width DN15</b>											
G	G1/2	V4, AL	G1/8	15	38	81	7	7	14	36	36
		POM					12	12			
T	1/2 NPT	V4, AL					7	7			
		POM					12	12			
S5	DIN 32676, series A	V4					24.5	24.5			
S1	ASME-BPE, type A	V4					24.5	24.5			
<b>Nominal width DN25</b>											
G	G1	V4, AL	G1/8	15	58	109	10.5	10.5	18	55	55
		POM					15.5	15.5			
T	1 NPT	V4, AL					10.5	10.5			
		POM					15.5	15.5			
S5	DIN 32676, series A	V4					28	28			
S1	ASME-BPE, type A	V4					28	28			
S12	ASME-BPE, type B	V4	28	28							
Valve body combinations			L1								
			Nominal width DN6			Nominal width DN15			Nominal width DN25		
GG, GT, TT, TG made of V4 or AL			65			95			130		
GG, GT, TT, TG made of POM			–			105			140		
GG, GT, TT, TG made of V4 or AL with POM			–			100			135		
S1S1, S1S5, S5S5, S5S1, S1S12, S12S1, S5S12, S12S5, S12S12			80			130			165		
S1G, S1T, GS1, TS1, S5G, S5T, GS5, TS5, S12G, S12T, GS12, TS12			95			112.5			147.5		

## Data sheet M22U

Ordering data							
Pinch valve	Nominal width DN	Valve body connection	Shut-off element material	Weight [g]	Part no.	Type	
	6	G1/4	NBR	105.5	2931679	VZQA-C-M22U-6-GG-ALV4N-4	
			EPDM	157	2931678	VZQA-C-M22U-6-GG-V4V4E-4	
			Silicone	157	2931683	VZQA-C-M22U-6-GG-V4V4S1-4	
		1/4 NPT	Silicone	157	2931685	VZQA-C-M22U-6-TT-V4V4S1-4	
		Clamp ferrule to DIN 32676, series A	EPDM	215	2931681	VZQA-C-M22U-6-S5S5-V4V4E-4	
			Silicone	215	2931682	VZQA-C-M22U-6-S5S5-V4V4S1-4	
			Clamp ferrule to ASME-BPE, type A	Silicone	195	2931684	VZQA-C-M22U-6-S1S1-V4V4S1-4
		15	G1/2	NBR	431	3022830	VZQA-C-M22U-15-GG-V4V4N-4
					265	3022831	VZQA-C-M22U-15-GG-ALV4N-4
	158				3022832	VZQA-C-M22U-15-GG-ALPOMN-4	
	EPDM			431	3022829	VZQA-C-M22U-15-GG-V4V4E-4	
	Silicone			431	3022835	VZQA-C-M22U-15-GG-V4V4S1-4	
	1/2 NPT		Silicone	431	3022838	VZQA-C-M22U-15-TT-V4V4S1-4	
	Clamp ferrule to DIN 32676, series A		EPDM	559	3022833	VZQA-C-M22U-15-S5S5-V4V4E-4	
			Silicone	559	3022834	VZQA-C-M22U-15-S5S5-V4V4S1-4	
	Clamp ferrule to ASME-BPE, type A		Silicone	495	3022837	VZQA-C-M22U-15-S1S1-V4V4S1-4	
	25	G1	EPDM	1178	3968922	VZQA-C-M22U-25-GG-V4V4E-4	
				480	3968923	VZQA-C-M22U-25-GG-ALALE-4	
			Silicone	1178	3968926	VZQA-C-M22U-25-GG-V4V4S1-4	
		1 NPT	Silicone	1178	3968928	VZQA-C-M22U-25-TT-V4V4S1-4	
		Clamp ferrule to DIN 32676, series A	EPDM	1474	3968924	VZQA-C-M22U-25-S5S5-V4V4E-4	
Silicone			1474	3968925	VZQA-C-M22U-25-S5S5-V4V4S1-4		
Clamp ferrule to ASME-BPE, type B		Silicone	1516	3968927	VZQA-C-M22U-25-S12S12-V4V4S1-4		

Ordering data									
Seal cartridge	Nominal width DN	Shut-off element material	Storage temperature [°C]	Note on materials	Suitability for use in the food industry	Part no.	Type		
	6	NBR	6 ... 8	-	RoHS-compliant	-	2392881	VAVC-Q2-M22U-6-N	
		EPDM				1)	2392882	VAVC-Q2-M22U-6-E	
		VMQ (silicone)	0 ... 25			Contains paint-wetting impairment substances	2)	2392883	VAVC-Q2-M22U-6-S1
	15	NBR	6 ... 8	-	-	-	-	3019151	VAVC-Q2-M22U-15-N
							EPDM	1)	3019148
		VMQ (silicone)	0 ... 25				Contains paint-wetting impairment substances	2)	3019144
	25	NBR	6 ... 8	-	-	-	-	3970092	VAVC-Q2-M22U-25-N
							EPDM	-	3970093
		VMQ (silicone)	0 ... 25				Contains paint-wetting impairment substances	2)	3970094

1) See supplementary material information

Additional information is available at [www.festo.com/sp](http://www.festo.com/sp) → Certificates.

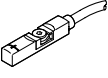
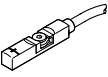

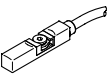
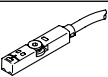
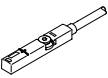
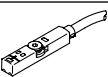
2) See declaration of conformity

## Ordering data – Modular product system

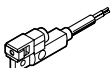

Ordering table					
VZQA-C-...	M22C	M22U	Conditions	Code	Enter code
Module no.	<b>3174282</b>	<b>2037881</b>			
Product type	Pinch valve			<b>VZQA</b>	VZQA
Version	Easy-to-clean design			<b>-C</b>	-C
Valve function	2/2-way valve, normally closed	–		<b>-M22C</b>	
	–	2/2-way valve, normally open		<b>-M22U</b>	
Nominal diameter DN	6			<b>-6</b>	
	15			<b>-15</b>	
	–	25		<b>-25</b>	
Valve body connection type 1	G female thread			<b>-G</b>	
	Clamp ferrule to ASME-BPE, type A		[1] [4]	<b>-S1</b>	
	Clamp ferrule to DIN 32676, series A		[1]	<b>-S5</b>	
	NPT female thread			<b>-T</b>	
	Clamp ferrule to ASME-BPE, type B		[1] [3] [4] [6]	<b>-S12</b>	
Valve body connection type 2	G female thread			<b>G</b>	
	Clamp ferrule to ASME-BPE, type A		[1] [4]	<b>S1</b>	
	Clamp ferrule to DIN 32676, series A		[1]	<b>S5</b>	
	NPT female thread			<b>T</b>	
	Clamp ferrule to ASME-BPE, type B		[1] [3] [4] [6]	<b>S12</b>	
Housing material	Aluminium			<b>-AL</b>	
	Stainless steel (austenitic chromium-nickel)	–		<b>-V2</b>	
	–	Stainless steel (austenitic chromium-nickel-molybdenum)		<b>-V4</b>	
Housing cover material	Aluminium			<b>AL</b>	
	–	Polyoxymethylene	[3]	<b>POM</b>	
	Stainless steel (austenitic chromium-nickel-molybdenum)			<b>V4</b>	
Shut-off element material	EPDM			<b>E</b>	
	–	NBR		<b>N</b>	
	–	Silicone		<b>S1</b>	
Pressure range of media [bar]	0 ... 4		[7]	<b>-4</b>	
	0 ... 6	–	[3]	<b>-6</b>	
Sensing type	None				
	End positions		[2] [5]	<b>-E</b>	

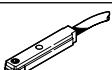

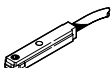
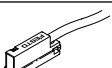
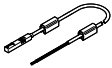
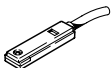
- [1] S1, S5, S12 Only in combination with housing cover material V4 (stainless steel)
- [2] E Only in combination with valve function M22C
- [3] POM, S12, 6 Not in combination with nominal diameter DN6
- [4] S1, S12 Not in combination with nominal diameter DN25 with valve function M22C
- [5] E Not in combination with housing material V2 (stainless steel)
- [6] S12 Not in combination with nominal diameter DN15
- [7] 4 Not in combination with nominal diameter DN15 with valve function M22C

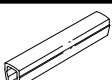
## Accessories

Ordering data – Proximity switches for T-slot, magnetoresistive						Data sheets → Internet: smt-8	
	Switching output	Electrical connection		Cable length [m]	Part no.	Type	
		Cable	Cable with plug, rotatable thread				
		M8x1	M12x1				
<b>N/O contact</b>							
	PNP	–	3-pin	–	0.3	574334	SMT-8M-A-PS-24V-E-0.3-M8D
		3-wire	–	–	2.5	574335	SMT-8M-A-PS-24V-E-2.5-OE
		3-wire	–	–	5	574336	SMT-8M-A-PS-24V-E-5.0-OE
		–	–	3-pin	0.3	574337	SMT-8M-A-PS-24V-E-0.3-M12
	NPN	3-wire	–	–	2.5	574338	SMT-8M-A-NS-24V-E-2.5-OE
		–	–	3-pin	0.3	574339	SMT-8M-A-NS-24V-E-0.3-M8D
		<b>To EU Explosion Protection Directive (ATEX)</b>					
Non-contacting	2-wire	–	–	5	574341	SMT-8M-A-ZS-24V-E-5.0-OE-EX2	
PNP	–	3-pin	–	0.3	574342	SMT-8M-A-PS-24V-E-0.3-M8D-EX2	
<b>N/O contact, corrosion-resistant</b>							
	PNP	3-wire	–	–	5	574380	CRSMT-8M-PS-24V-K-5.0-OE
		3-wire	–	–	10	574381	CRSMT-8M-PS-24V-K-10.0-OE
	PNP	–	–	3-pin	0.3	574382	CRSMT-8M-PS-24V-K-0.3-M12
		–	3-pin	–	0.3	574383	CRSMT-8M-PS-24V-K-0.3-M8D
<b>N/C contact</b>							
	PNP	3-wire	–	–	7.5	574340	SMT-8M-A-PO-24V-E-7.5-OE
<b>Switchable</b>							
	PNP/NPN	–	3-pin	–	0.3	574343	SMT-8M-A-PNS-24V-E-0.3-M8D
	PNP PS/PO	–	3-pin	–	0.3	574344	SMT-8M-A-PSO-24V-E-0.3-M8D
Ordering data – Proximity switches for T-slot, magnetic reed						Data sheets → Internet: sme-8	
	Switching output	Electrical connection		Cable length [m]	Part no.	Type	
		Cable	Cable with plug, rotatable thread				
		M8x1					
<b>N/O contact</b>							
	Contacting, bipolar	–	3-pin	–	0.3	543861	SME-8M-DS-24V-K-0.3-M8D
		3-wire	–	–	2.5	543862	SME-8M-DS-24V-K-2.5-OE
		3-wire	–	–	5	543863	SME-8M-DS-24V-K-5.0-OE
		2-wire	–	–	2.5	543872	SME-8M-ZS-24V-K-2.5-OE
		3-wire	–	–	7.5	543876	SME-8M-DS-24V-K-7.5-OE
<b>N/C contact</b>							
	Contacting, bipolar	3-wire	–	–	7.5	546799	SME-8M-DO-24V-K-7.5-OE

## Accessories

Ordering data – Proximity switches for T-slot, magnetoresistive						Data sheets → Internet: smt-8
	Switching output	Electrical connection		Cable length [m]	Part no.	Type
		Cable	Plug M8x1			
<b>N/O contact</b>						
	PNP	3-wire	–	2.5	547859	SMT-8G-PS-24V-E-2.5Q-OE
		–	3-pin	0.3	547860	SMT-8G-PS-24V-E-0.3Q-M8D
	PNP	–	3-pin	–	562019	SMT-8-SL-PS-LED-24-B

Ordering data – Proximity switches for T-slot, magnetic reed						Data sheets → Internet: sme-8
	Switching output	Electrical connection		Cable length [m]	Part no.	Type
		Cable	Plug M8x1			
<b>N/O contact</b>						
	Contacting, bipolar	3-wire	–	2.5	150855	SME-8-K-LED-24
		3-wire	–	5.0	175404	SME-8-K5-LED-24
		3-wire	–	7.5	530491	SME-8-K-7.5-LED-24
		–	3-pin	0.3	150857	SME-8-S-LED-24
		2-wire	–	2.5	171169	SME-8-ZS-KL-LED-24
	Contacting, bipolar	–	3-pin	–	526622	SME-8-SL-LED-24
	Contacting, bipolar, heat-resistant	2-wire	–	2.5	161756	SME-8-K-24-S6
	Contacting, bipolar, operating voltage range up to 230 V AC/DC	2-wire	–	2.5	152820	SME-8-K-LED-230
	Contacting, bipolar	3-wire	–	2.5	543862	SME-8M-DS-24V-K-2,5-OE
		2-wire	–	2.5	543872	SME-8M-ZS-24V-K-2,5-OE
<b>N/C contact</b>						
	Contacting, bipolar	3-wire	–	7.5	160251	SME-8-O-K-LED-24

Ordering data – Slot cover for T-slot				
	Mounting	Length [m]	Part no.	Type
	Insertable	2x 0.5	151680	ABP-5-S