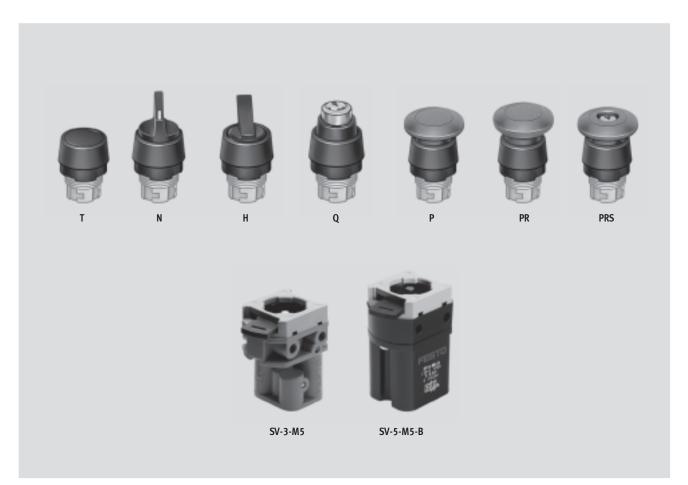
# Front panel valves SV





### **FESTO**

Key features



### Actuator attachments

Pushbutton T

Pushbuttons return to their initial switching position after they are actuated.

### Switch N, H, Q

Switches have several switching positions that can be alternated between as desired. Key actuators can only be activated using the key. The key can be removed in any switching position.

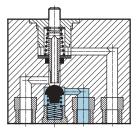
### Mushroom pushbutton/mushroom pushbutton with detent P

Mushroom pushbuttons return to their initial switching position after they are actuated.

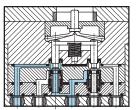
Mushroom pushbuttons with detent are actuated by pressing them and return to their initial switching position after they are unlocked:

- Type PR: the actuator is unlocked by turning the detent ring on the mushroom head.
- Type PRS: the actuator can only be unlocked using the key. The key can be removed in either switching position.

### Basic valves 3/2-way valve SV-3-M5



### 5/2-way valve SV-5-M5-B



### Key features

The two basic valves are poppet valves that work without any overlap:

- No overflow between the channels during switching
- Limited self-cleaning by air flow during operation

Technical data





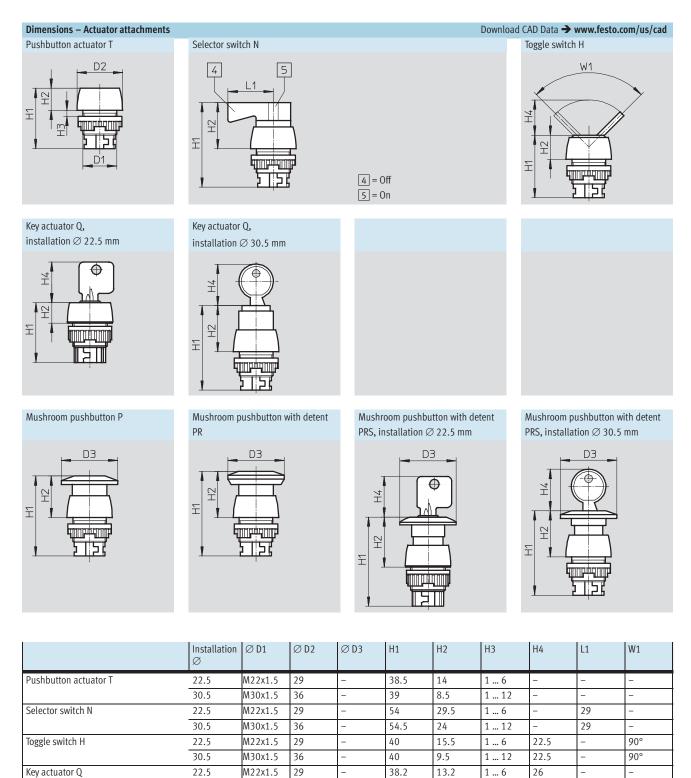
### General technical data – Actuator attachments with 22.5 mm installation diameter

		T-22-SW	T-22-GE	T-22-RT	N-22-SW	H-22-SW	Q-22 B	P-22-SW	PR-22-RT	PRS-22-RT B
Actuating force	[N]	14	14	14	-	-	23	14	25	23
Actuating torque	[Nm]	-	-	-	0.4	0.14	-	-	-	-
Product weight	[g]	14	14	14	21	19	80	20	26	82
Colour		Black	Yellow	Red	Black	Black	Black	Black	Red	Red
Note on materials		-	-	-	-	-	RoHS-compliant	-	-	RoHS-compliant

General technical data – Actuator attachments with 30.5 mm installation diameter										
		T-30-SW	T-30-GE	T-30-RT	N-30-SW	H-30-SW	Q-30	P-30-SW	PR-30-RT	PRS-30-RT
Actuating force	[N]	14	14	14	-	-	23	14	25	23
Actuating torque	[Nm]	-	-	-	0.4	0.14	-	-	-	-
Product weight	[g]	22	22	22	30	27	88	28	37	91
Colour		Black	Yellow	Red	Black	Black	-	Black	Red	Red
Note on materials		-	-	-	-	-	-	-	-	-

### FESTO

Technical data



54.5

51.5

54.5

54

57

56

51

24

21

24

32

25.5

29.5

26.5

1 ... 12

1 ... 6

1 ... 12

1 ... 6

1 ... 12

1 ... 6

1 ... 12

26.5

26

26.5

M30x1.5

M22x1.5

M30x1.5

M22x1.5

M30x1.5

M22x1.5

M30x1.5

36

29

36

29

36

29

36

36

36

36

36

36

36

30.5

22.5

30.5

22.5

30.5

22.5

30.5

\_

Mushroom pushbutton P

lockable PRS

Mushroom pushbutton with detent PR

Mushroom pushbutton with detent,

# Front panel valves and actuator attachments Technical data



-0.9 ... +8 bar 0 ... 8 bar

### - **I** - Temperature range -10 ... +60 °C

General technical data – Bas	ic valves					
		3/2-way valve	5/2-way valve			
Valve function		3/2-way single solenoid valve, closed	5/2-way single solenoid valve			
Actuation type		Manual				
Operating medium		Filtered compressed air, lubricated or unlubricated, vacuum <sup>1</sup>	)			
Design		Poppet valve with spring return				
Reset method		Mechanical spring				
Sealing principle		Soft				
Mounting position		Any				
Type of control		Direct				
Type of mounting		Front panel mounting, with through-hole				
Pneumatic connection		M5				
Nominal size	[mm]	2	2.3			
Standard nominal flow rate	[l/min]	65	95			
Actuating force at 6 bar	[N]	12	17			
Weight	[g]	40	53			

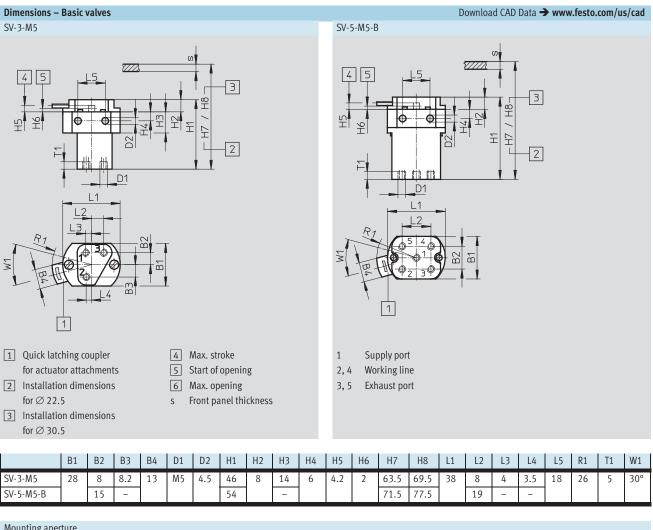
1) SV-3-M5: Vacuum connection at port 1

Materials	
Housing	Plastic
Valve stem	Brass
Seals	Nitrile rubber

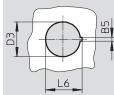
Operating and environmental conditions						
		3/2-way valve	5/2-way valve			
Operating pressure	[bar]	-0.95 +8	0 +8			
Ambient temperature	[°C]	-10 +60				



# Front panel valves and actuator attachments Technical data – Basic valves



IVIO	uni	ilig	ape	iture



	B5	D3	L6
Mounting aperture, $\varnothing$ 22.5	2.6	22.3	23.5
Mounting aperture, $\varnothing$ 30.5	3.1	30.3	31.5

Ordering data							
Circuit symbol	Description		Part No.	Туре			
Actuator attachments, installation $\varnothing$ 22.5 mm							
ſ	Pushbutton actuator	Black	9289	T-22-SW			
E		Yellow	9290	T-22-GE			
E		Red	9997	T-22-RT			
	Selector switch	Black	9301	N-22-SW			
	Toggle switch	Black	9305	H-22-SW			
<u></u>		Didek	////	11-22- <b>3</b> W			
<u> </u>							
	Key actuator with key	Black	573107	Q-22 B			
<u><u>2</u></u>							
[	Mushroom pushbutton	Black	9293	P-22-SW			
	Mushroom pushbutton with detent	Red, not lockable	9297	PR-22-RT			
L <del>I ⊻ i</del>		Red, lockable	573108	PRS-22-RT B			
			1				
Actuator attachme	nts, installation $arnothing$ 30.5 mm						
r	Pushbutton actuator	Black	9291	T-30-SW			
		Yellow	9292	T-30-GE			
E		Red	10014	T-30-RT			
	Selector switch	Black	9302	N-30-SW			
Þ							
9	Toggle switch	Black	9306	H-30-SW			
	Key actuator with key	_	9304	Q-30			
	Rey actuator with Rey	-	9304	Q-30			
¥ <del>~~</del>							
<u>с</u>	Mushroom pushbutton	Black	9295	P-30-SW			
E							
	Mushroom pushbutton with detent	Red, not lockable	9298	PR-30-RT			
		Red, lockable	9300	PRS-30-RT			
۹' '		Neu, iockable	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Basic valves			1				
2	3/2-way valve		6817	SV-3-M5			
† <sub>+</sub>   <sub>+</sub> \  w							
1 \\$3							
4 7	5/2-way valve		11914	SV-5-M5-B			
				-			
₅⊄¦⊄₃							

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### **A Complete Suite of Automation Services**

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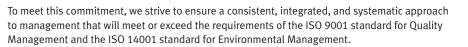
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