5/2 Way Valve

G1/8
for panel mounting

**Actuation:
interchangeable
(see drawings for details)**

Series S9

S9 5..T

| Characteristics to VDI 3290			Pressures quoted as gauge pressure	
Characteristics	Symbol	Unit	Description	
General Features				
Type			Spool valve	
Mounting			Panel mounting, actuators correspond to internationally standardized mounting diameters to DIN 43696	
Tube connection			Thread	
Port size			G1/8; 7.4 deep	
Installation			In any position	
Ambient temperature range	ϑ_{min} ϑ_{max}	°C °C	-10 +60	Note: When using below freezing
Medium temperature range	ϑ_{min} ϑ_{max}	°C °C	-10 +70	point (°C) it is necessary to consult us.
Medium			Filtered compressed air	
Lubrication			With or without oil mist lubrication [1]	
Pneumatic Characteristics				
Nominal pressure	p_n	bar	6	
Operating pressure range	p_{min} p_{max}	bar bar	2 10	
Nominal flow	Q_N	l/min	500	
Actuation				
Manual control			Direct	
Stroke		mm	4.5	

[1] We recommend the use of mineral oil type VG32 to ISO 3448

The actuators for these valves are interchangeable and can be mounted with 180° displacement on the basic valve.
Actuators are not mounted upon delivery.

Actuating Forces and Weights

Type	Actuating force (N, Nm)	Weight (mass) (kg)
S9 512T-1/8	0.3	0.160
S9 512T-RF-1/8	0.3	0.160
S9 513T-RF-1/8	8.0	0.150
S9 515T-RF-1/8	8.0	0.160
S9 516T-1/8	9.0	0.225
S9 517T-1/8	0.3	0.150
S9 518T-1/8	10.0	0.160

Data Sheet No. 3.42.055E-1
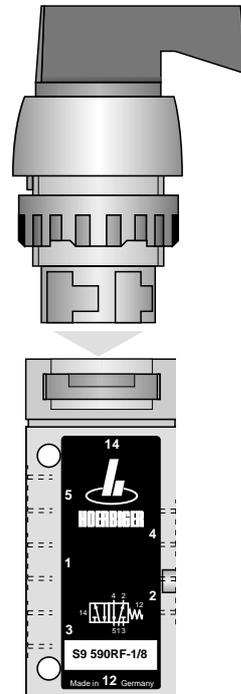
HOERBIGER
ORIGA

Dimensions (mm) Basic Valve
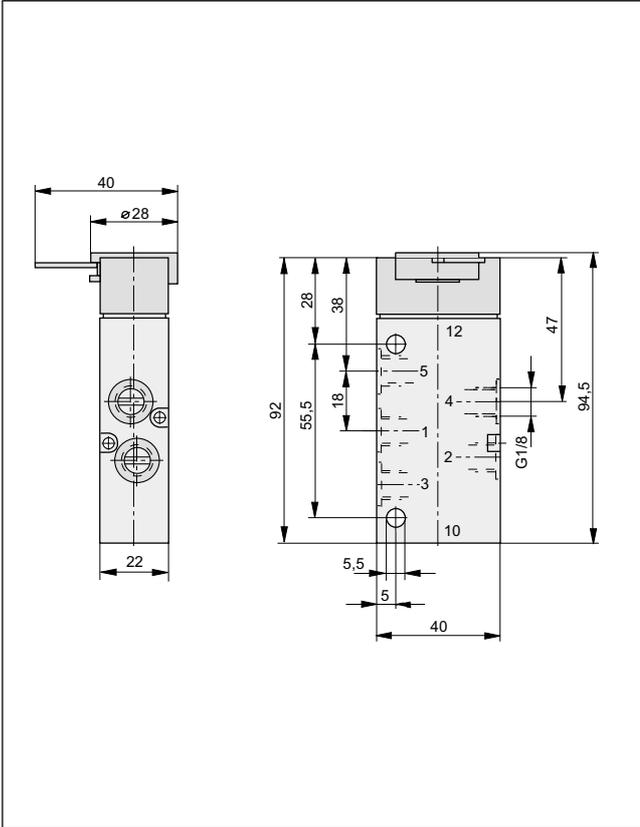
Dimensions (mm) Mounting Hole
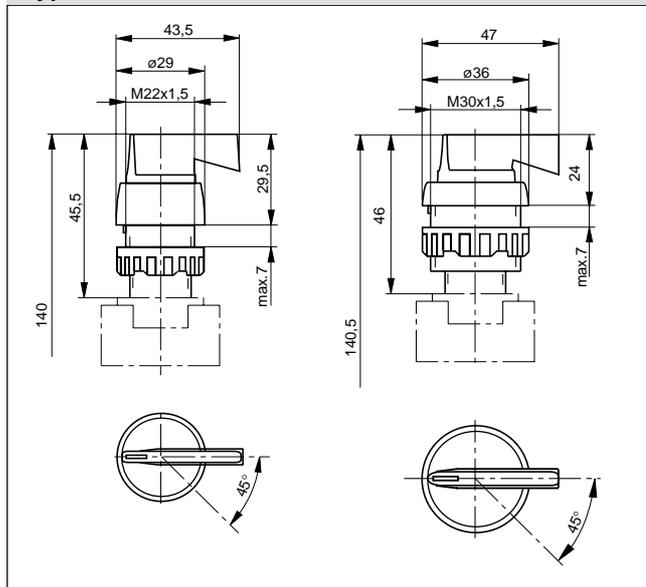
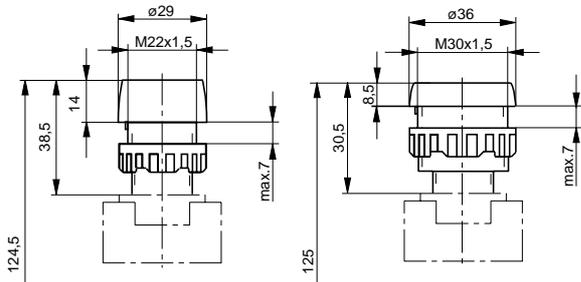**Mounting diameter 22,3mm**

Mounting diameter 30,3mm
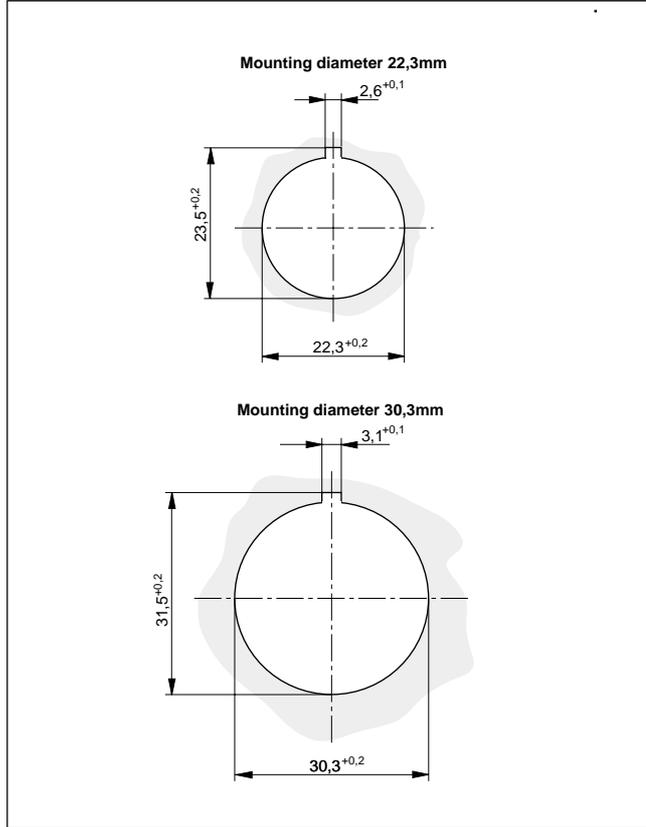
Dimensions (mm) Rotary Lever, Indexed
Type: 12T-22, 12T-30,
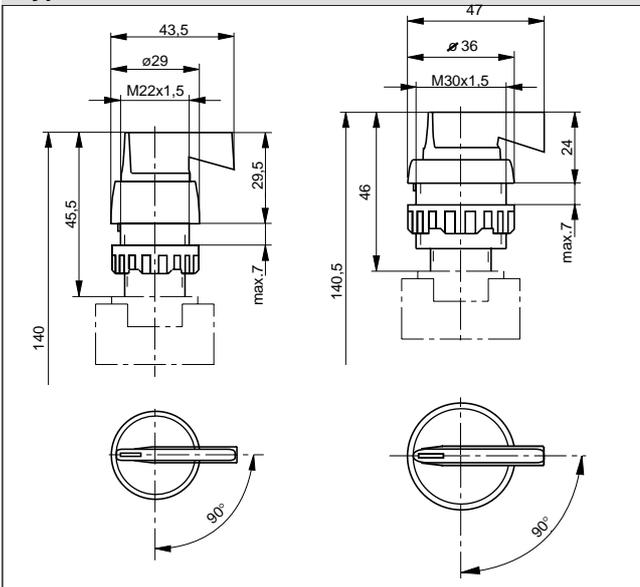
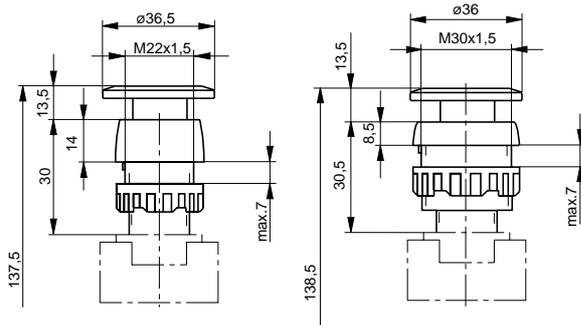## Dimensions (mm) Rotary Lever with Spring Return
Type: 12T-RF-22, 12T-RF-30

Data Sheet No. 3.42.055E-2

Dimensions (mm) Pushbutton
Type: 13T-RF-22, 13T-RF-30

ø29
M22x1,5
14
38.5
max.7
124,5

ø36
M30x1,5
8,5
30,5
max.7
125

Dimensions (mm) Locking Switch
Type: 16T-22, 16T-30

ø29
M22x1,5
33
56
72
max.7
166,5

ø36
M30x1,5
33
50,5
72,5
max.7
167
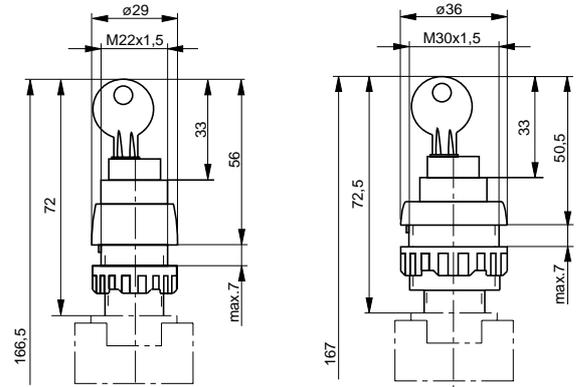
Dimensions (mm) Mushroom Pushbutton
Type: 15T-RF-22, 15T-RF-30

ø36,5
M22x1,5
13,5
14
30
max.7
137,5

ø36
M30x1,5
13,5
8,5
30,5
max.7
138,5

Dimensions (mm) Rotary Switch
Type: 17T-22, 17T-30

ø29
M22x1,5
29,5
45,5
max.7
140

ø36
M30x1,5
24
46
max.7
140,5

90°

90°
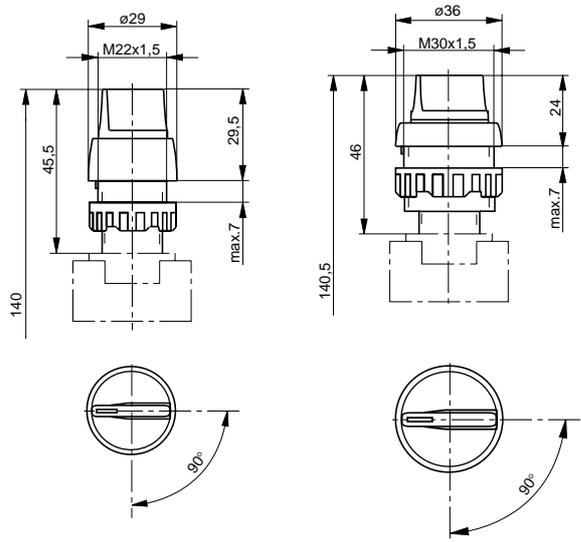
Dimensions (mm) Mushroom Switch EMERGENCY
SHUTDOWN Type: 18T-22, 18T-30

ø36,5
M22x1,5
15,5
14
30
max.7
122

ø36,5
M30x1,5
15,5
8,5
30,5
max.7
140,5

Data Sheet No. 3.42.055E-3
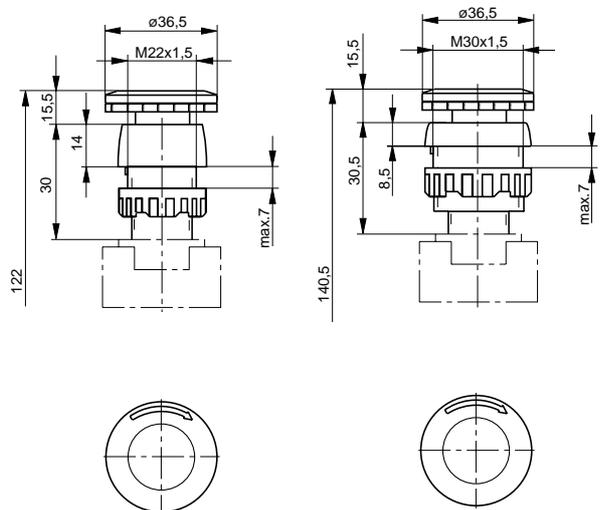
Order Instructions
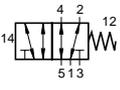
Description	Symbol	Mounting Ø (mm)	Order Instructions Type	Order No.
Basic valve for panel mounting			**S9 590RF-1/8**	**PA 10320**
Rotary lever, indexed		22	**12T-22**	**KX 9355**
		30	**12T-30**	**KX 9314**
Rotary lever with spring return		22	**12T-RF-22**	**KX 9356**
		30	**12T-RF-30**	**KX 9315**
Pushbutton		22	**13T-RF-22**	**KX 9357**
		30	**13T-RF-30**	**KX 9316**
Mushroom pushbutton		22	**15T-RF-22**	**KX 9358**
		30	**15T-RF-30**	**KX 9317**
Locking switch		22	**16T-22**	**KX 9359**
		30	**16T-30**	**KX 9318**
Rotary switch		22	**17T-22**	**KX 9360**
		30	**17T-30**	**KX 9319**
Mushroom switch EMERGENCY SHUTDOWN		22	**18T-22**	**KX 9361**
		30	**18T-30**	**KX 9320**