

Single-Axis Controller

S2 / SS2 / S21



GESSMANN®

The Single-Axis Controller S2 / SS2 / S21 is a robust switching device for remote controlled and electrohydraulic applications. The modular design of the switching device is universally applicable.

Technical data

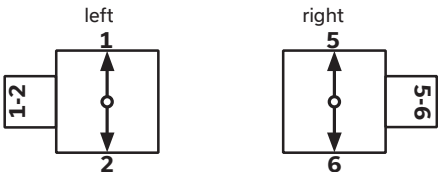
Mechanical life S2 / S21	6 million operating cycles
Mechanical life SS2	10 million operating cycles
Operating temperature	-40°C to +85°C
Degree of protection	Up to IP54



	S2L	S5	T	- 02 Z P	- A050 P134	- X
Basic unit						
S2L	Single-Axis Controller left					
Control-handle extended						
S5	-20 mm					
Grip / Palm Grip						
T	Dead man					
Axis 1 (direction 1-2)						
02	3 contacts (2A 250 V AC15)					
Z	Spring return					
P	Potentiometer					
Description axis 1 (direction 1-2)						
A050	Arrangement MSP21-0					
P134	Potentiometer T396 2 x 5 kOhm					
Special model						
X	Special / customer specified					

	S2L	S5	T	- 02 Z P	- A050 P134	- X
Basic unit						
S2L	Single-Axis Controller left					
S2R	Single-Axis Controller right					
S21L	Single-Axis Controller left with flange 96 x 96 mm					
S21R	Single-Axis Controller right with flange 96 x 96 mm					
Reinforced version						
SS2L	Single-Axis Controller left					
SS2R	Single-Axis Controller right					
SS21L	Single-Axis Controller left with flange 96 x 96 mm					
SS21R	Single-Axis Controller right with flange 96 x 96 mm					
Control-handle extended						
	Standard					
S5	-20 mm					
S8	+20 mm					

Identification of the installation variants
with switching directions:



Technical details may vary based on configuration or application! Technical data subject to change without notice!

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S2 / SS2 / S21

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Combination possibilities with our handles (valid for Single-Axis Controller S21)



S2L

S5

T

- 02 Z P

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- X

Grip / Palm Grip

	Knob (standard)
M	Mechanical zero interlock
MN	Mechanical zero interlock (push down)
T	Dead man
MT	Mechanical zero interlock + dead man
H	Signal button
MH	Mechanical zero interlock + signal button
D	Push button
MD	Mechanical zero interlock + push button
DV	Flush push button
MDV	Mechanical zero interlock + flush push button
B...	Palm Grip B... (see page palm grip 163)

S2L

S5

T

- 02 Z P

- A050 P134

- X

Axis 1: direction 1-2 left / direction 5-6 right

02	3 contacts	Standard contact - arrangement see page 129		
03	5 contacts	z.B.		
04	7 contacts	A98	MS0	
05	9 contacts	A05	MS21	
		A0500	MS21-00	
		A110	MS24-0	
		A99 contact - arrangement according customer request		
Z	Spring return			
R	Friction brake			
(P)	Possibility of mounting potentiometer and encoder (Gessmann-types)			
P	Potentiometer	P131	T396 2 x 0,5 kOhm	I max. 1 mA
		P132	T396 2 x 1 kOhm	I max. 1 mA
		P133	T396 2 x 2 kOhm	I max. 1 mA
		P134	T396 2 x 5 kOhm	I max. 1 mA
		P135	T396 2 x 10 kOhm	I max. 1 mA
		More potentiometers on request!		
C	Encoder	C... Encoder see page 137		

S2L

S5

T

- 02 Z P

- A050 P134

- X

Special model

X	Special / customer specified
X1	Microswitch (MZT 1) positively driven NC contact

Attachments

Indicating labels
Indicating labels with engraving

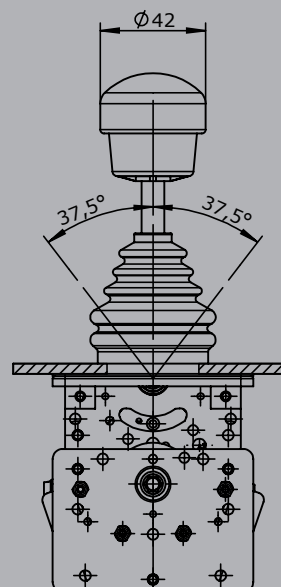
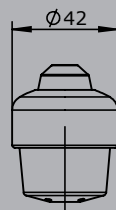
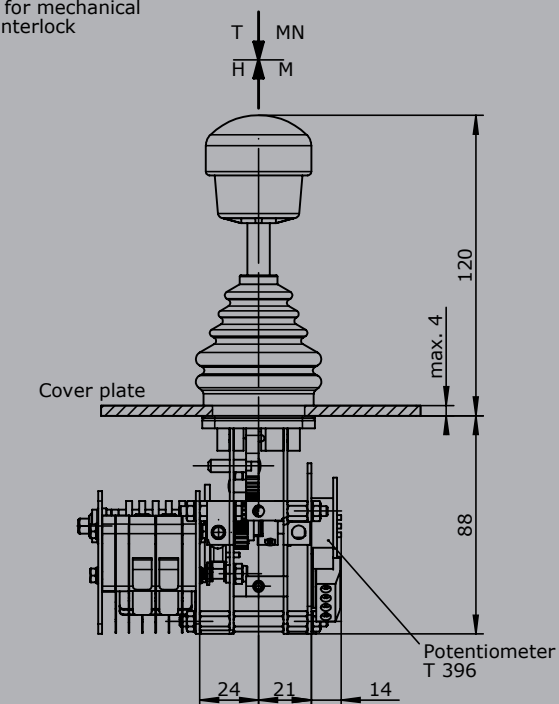
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S2 / SS2

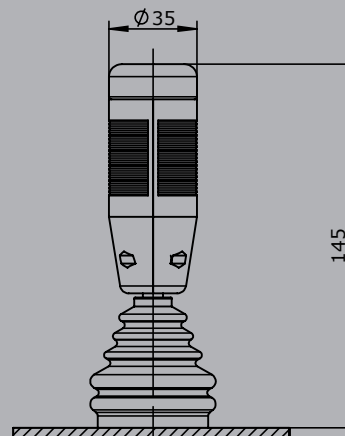
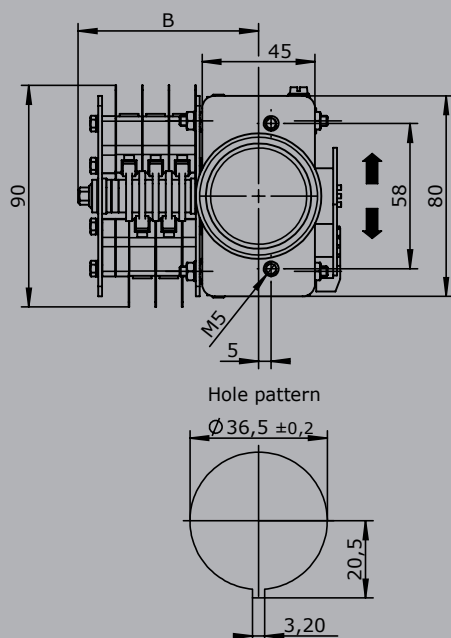
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T = Dead man's button
H = Signal button
M = Latch for mechanical
zero interlock

Knob solid
D= Push button



Palm grip B5
B5 T = Dead man's button



Type	No. of contacts	Maß B
02	3	25
03	5	31
04	7	36
05	9	42

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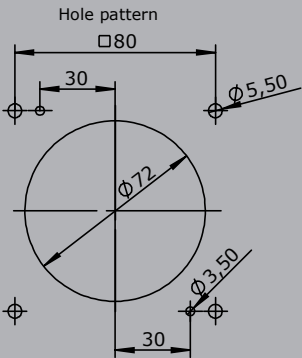
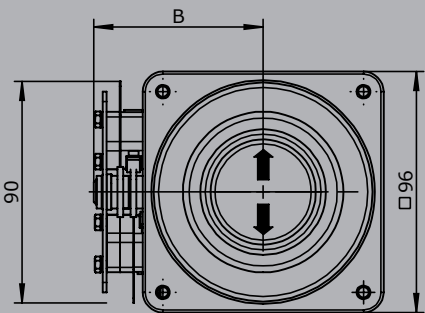
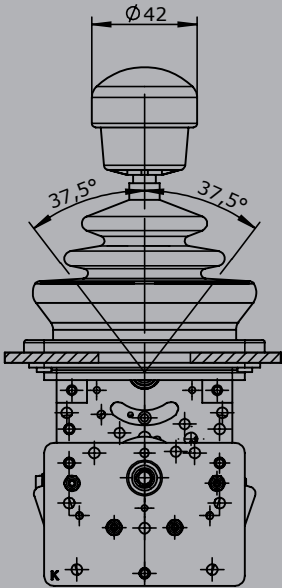
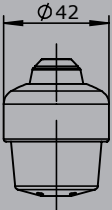
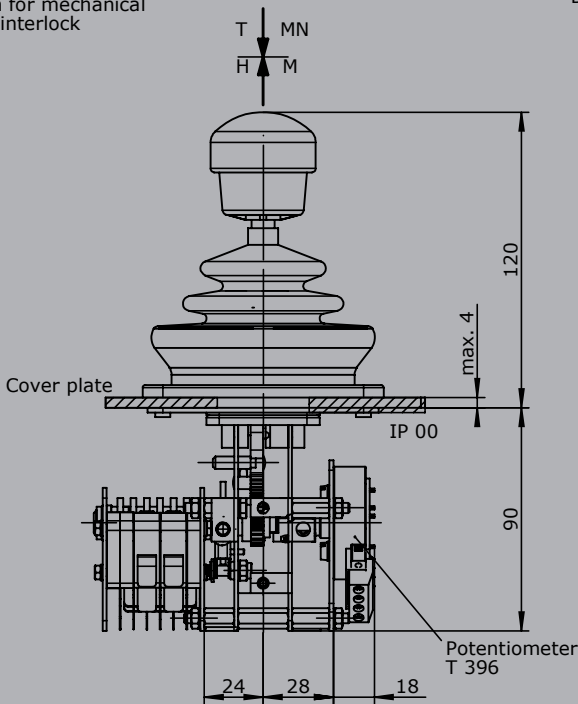
Single-Axis Controller

S21

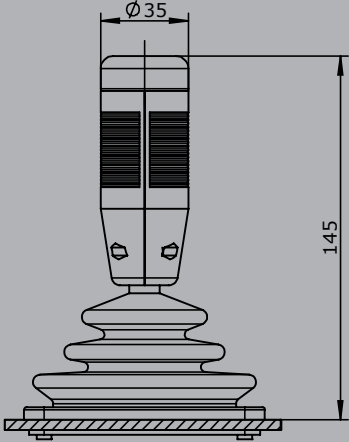


T = Dead man's button
H = Signal button
M = Latch for mechanical zero interlock

Knob solid
D= Push button



Palm grip B5
B5 T = Dead man's button



Type	No. of contacts	Maß B
02	3	62
03	5	72
04	7	83
05	9	93