

# Single-Axis Controller

## S22 / SS22



**GESSMANN®**

The Single-Axis Controller S22 / SS22 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 S22   | 6 million operating cycles  |
| Mechanical life SS22  | 10 million operating cycles |
| Operating temperature | -40°C to +85°C              |
| Degree of protection  | Up to IP54                  |

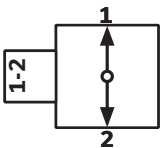


|                                           | S22L | S5 | Example<br>T | - 3 Z P | - A050 P134 | - X |
|-------------------------------------------|------|----|--------------|---------|-------------|-----|
| <b>Basic unit</b>                         |      |    |              |         |             |     |
| S22L    Single-Axis Controller left       |      |    |              |         |             |     |
| <b>Control-handle extended</b>            |      |    |              |         |             |     |
| S5       -20 mm                           |      |    |              |         |             |     |
| <b>Grip / Palm Grip</b>                   |      |    |              |         |             |     |
| T        Dead man                         |      |    |              |         |             |     |
| <b>Axis 1 (direction 1-2)</b>             |      |    |              |         |             |     |
| 3        3 contacts (2A 250 V AC15)       |      |    |              |         |             |     |
| Z        Spring return                    |      |    |              |         |             |     |
| P        Potentiometer                    |      |    |              |         |             |     |
| <b>Description axis 1 (direction 1-2)</b> |      |    |              |         |             |     |
| A050    Arrangement MSP21-0               |      |    |              |         |             |     |
| P134    Potentiometer T396 2 x 5 kOhm     |      |    |              |         |             |     |
| <b>Special model</b>                      |      |    |              |         |             |     |
| X        Special / customer specified     |      |    |              |         |             |     |

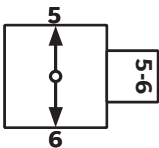
|                                      | S22L | S5 |
|--------------------------------------|------|----|
| <b>Basic unit</b>                    |      |    |
| S22L    Single-Axis Controller left  |      |    |
| S22R    Single-Axis Controller right |      |    |
| Reinforced version                   |      |    |
| SS22L   Single-Axis Controller left  |      |    |
| SS22R   Single-Axis Controller right |      |    |
| <b>Control-handle extended</b>       |      |    |
| Standard                             |      |    |
| S5       -20 mm                      |      |    |
| S8       +20 mm                      |      |    |

### Identification of the installation variants with switching directions:

S22L / SS22L



S22R / SS22R



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

S22L S5 T - 3 Z P - A050 P134 - 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... (on request!)                  |

S22L S5 T - 3 Z P - A050 P134 - X

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

|     |                                                                    |                                                      |                   |             |
|-----|--------------------------------------------------------------------|------------------------------------------------------|-------------------|-------------|
| 1   | 1 contact                                                          | Standard contact - arrangement see page 129          |                   |             |
| 2   | 2 contacts                                                         | z.B.                                                 |                   |             |
| 3   | 3 contacts                                                         | A98                                                  | MS0               |             |
| 4   | 4 contacts                                                         | A05                                                  | MS21              |             |
|     |                                                                    | A0500                                                | MS21-00           |             |
|     |                                                                    | 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   | Codierer                                                           | C...Encoder see page 137                             |                   |             |

S22L S5 T - 3 Z P - A050 P134 - X

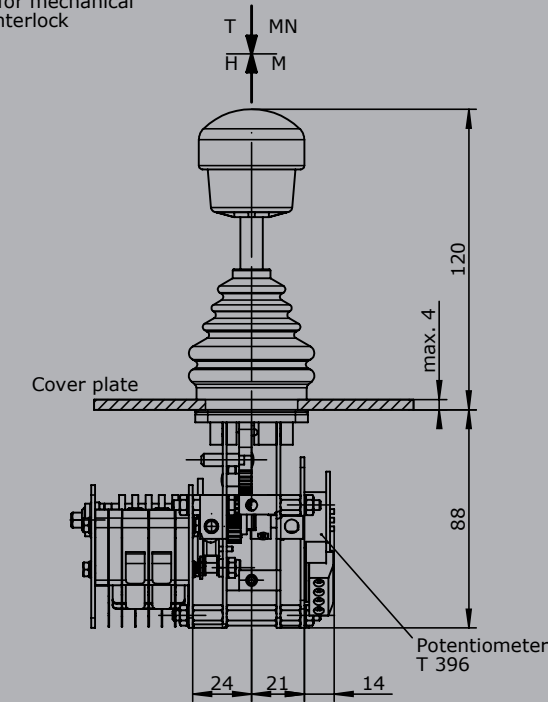
### Special model

|    |                              |
|----|------------------------------|
| X  | Special / customer specified |
| X1 | Switching run 2-0-2          |

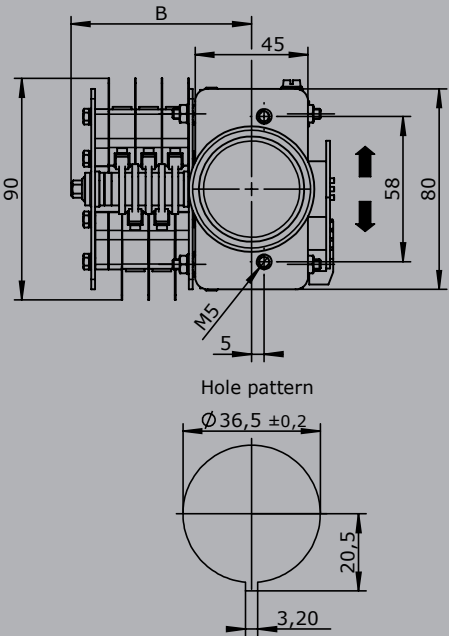
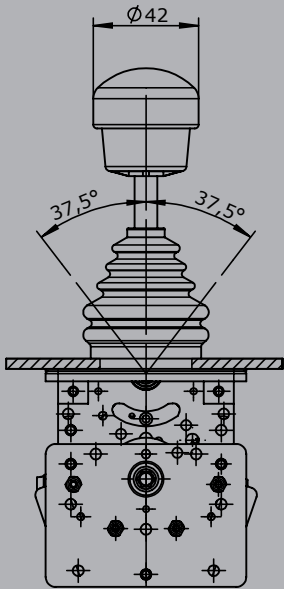
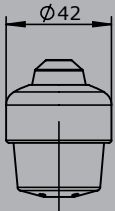
### Attachments

|                                  |
|----------------------------------|
| Indicating labels                |
| Indicating labels with engraving |

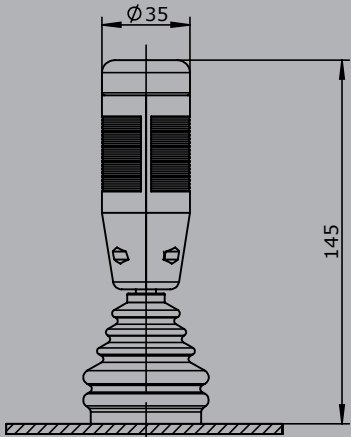
T = Dead man's button  
H = Signal button  
M = Latch for mechanical zero interlock



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    |