

# Single-Axis Controller S23



The Single-Axis Controller S23 is a robust switching device for shipbuilding and electro-hydraulic applications. The modular design of the switching device is universally applicable. The Single-Axis Controller is resistant to oil, maritime conditions e.g. offshore /vessels, UV radiation typically from the sun.

## Technical data

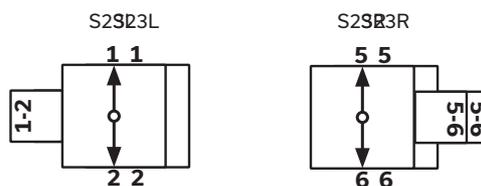
|                       |                            |
|-----------------------|----------------------------|
| Mechanical life S23   | 6 million operating cycles |
| Operating temperature | -40°C to +85°C             |
| Degree of protection  | IP65                       |



|   | S23L | S5 | M | - 3 Z P | - A050 P134 | - X |
|---|------|----|---|---------|-------------|-----|
| <b>Basic unit</b>                         |      |    |   |         |             |     |
| S23L Single-Axis Controller left          |      |    |   |         |             |     |
| <b>Control-handle extended</b>            |      |    |   |         |             |     |
| S5 -20 mm                                 |      |    |   |         |             |     |
| <b>Grip / palm grip</b>                   |      |    |   |         |             |     |
| M Mechanical zero interlock               |      |    |   |         |             |     |
| <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            |      |    |   |         |             |     |

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|--------------------------------|------|----|---|---------|-------------|-----|
| <b>Basic unit</b>              |      |    |   |         |             |     |
| S23L Left                      |      |    |   |         |             |     |
| S23R Right                     |      |    |   |         |             |     |
| <b>Control-handle extended</b> |      |    |   |         |             |     |
| Standard 140 mm                |      |    |   |         |             |     |
| 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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### Grip / palm grip

- Knob (standard)
- M Mechanical zero interlock
- Q T-grip
- QM T-grip with mechanical zero interlock

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

|     |  |   |                   |             |
|-----|--|---|-------------------|-------------|
| 1   | 1 contact  | Standard contact - arrangement see page 127                 |                   |             |
| 2   | 2 contacts   | z.B.  |                   |             |
| 3   | 3 contacts   | A98   | MS0               |             |
| 4   | 4 contacts   | A05   | MS21              |             |
|     |  | A0500   | MS21-00           |             |
|     |  | <i>A99 contact - arrangement according customer request</i> |                   |             |
| 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 |
|     |  | <i>More potentiometers on request!</i>                      |                   |             |
| C   | Encoder  | C... Encoder see page 135                                   |                   |             |

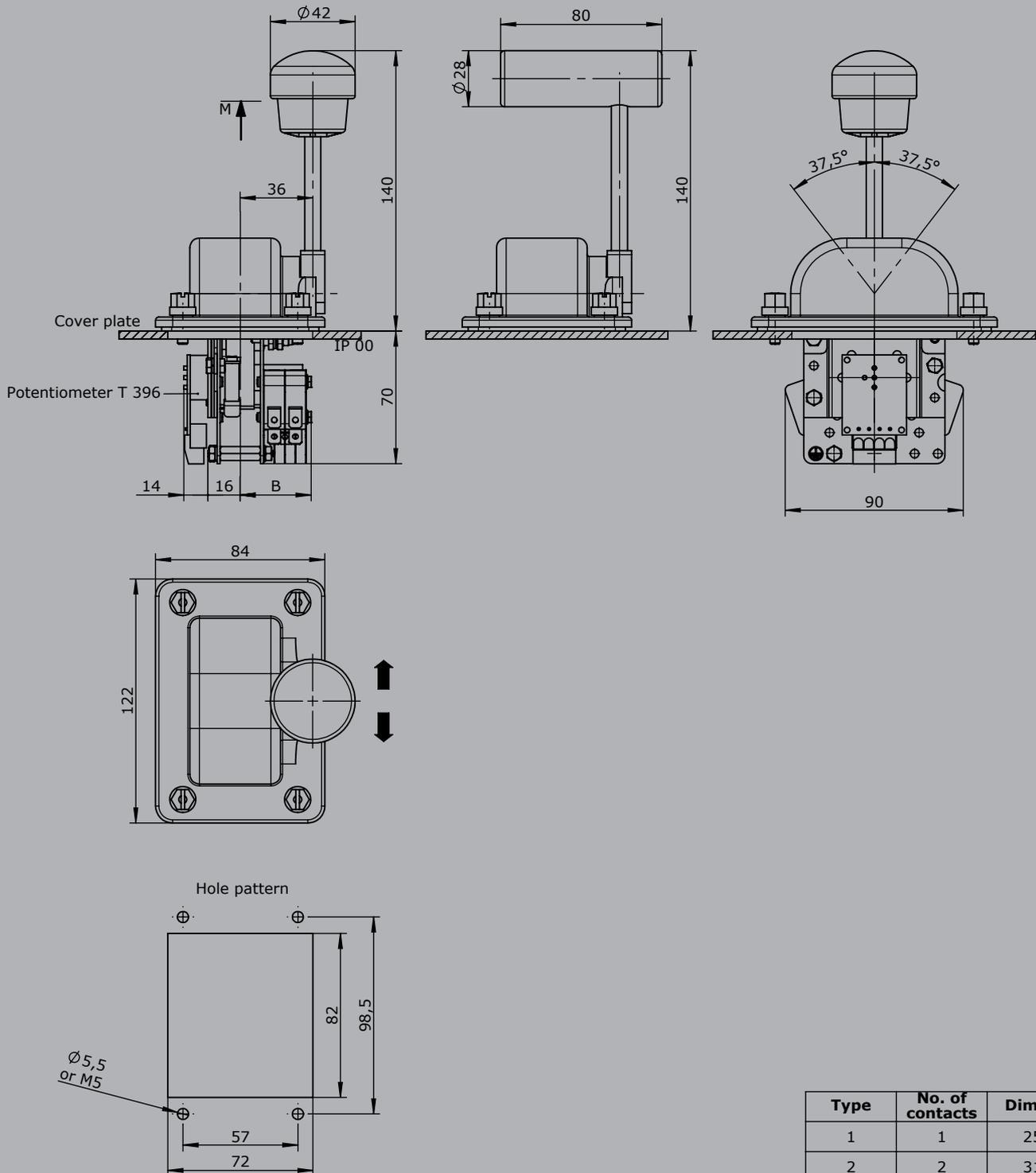
S23L S5 M - 3 Z P - A050 P134 - X

### Special model

- X Special / customer specified

M = Latch for mechanical zero interlock

T - grip



| Type | No. of contacts | Dim. B |
|------|-----------------|--------|
| 1    | 1               | 25     |
| 2    | 2               | 31     |
| 3    | 3               | 36     |
| 4    | 4               | 42     |