The multi-axis controller V11 is a robust switching device for crane and hoisting applications. The modular design enables the switching device to be used universally. The V11 is resistant to oil, maritime conditions e.g. offshore / vessels, UV radiation typically from the sun.

### Technical data

- **Mechanical life:** 10 million operating cycles
- **Operation temperature:** -40°C to +85°C
- **Degree of protection:** up to IP54 front

### Basic unit

**V11L** 2-axis left

### Control-handle extended

**S5** -20 mm

### Gate

**P** Cross gate

### Grip / palm grip

**T** Dead man

### Axis 1 (direction 1-2)

- **01** 2 contacts (2A 250 V AC15)
- **Z** Spring return
- **P** Potentiometer

### Axis 2 (direction 3-4)

- **03A** 6 contacts (4A 250 V AC15)
- **R** Friction brake

### Description axis 1 (direction 1-2)

- **A05** Arrangement MS21
- **P324** Potentiometer T365 2 x 5 kOhm

### Description axis 2 (direction 3-4)

- **A110** Arrangement MS24-0

### Special model

**X** Special / customer specified

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Technical details may vary based on configuration or application! Technical data subject to change without notice!
### Multi-axis controller V11

#### Combination possibilities with our handles

<table>
<thead>
<tr>
<th>Basic unit</th>
<th>2-axis left</th>
<th>2-axis right</th>
<th>1-axis left</th>
<th>1-axis right</th>
</tr>
</thead>
<tbody>
<tr>
<td>V11L</td>
<td>V11R</td>
<td>V11.1L</td>
<td>V11.1R</td>
<td></td>
</tr>
</tbody>
</table>

#### Control-handle extended

- Standard 120 mm*
- S5: -20 mm
- S8: +20 mm

*Only available in combination with handle!

#### Gate

<table>
<thead>
<tr>
<th>Gate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Cross gate</td>
</tr>
<tr>
<td>PX</td>
<td>Special gate</td>
</tr>
</tbody>
</table>

#### Grip / palm grip

- Knob (included in basic unit)
- M: Mechanical zero interlock
- MN: Mechanical zero interlock (push down)
- T: Dead man
- H: Signal button
- D: Push button
- DV: Flush push button
- B...: Palm grip B... (see page palm grip 157)

Identification of the installation variants with switching directions:

Technical details may vary based on configuration or application! Technical data subject to change without notice!
## Axis 1: direction 1-2 left / direction 5-6 right

<table>
<thead>
<tr>
<th>Option</th>
<th>Contacts</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>2 contacts</td>
<td>Standard contact - arrangement see page 140</td>
</tr>
<tr>
<td>02</td>
<td>4 contacts</td>
<td>e.g. A980 MS00, A05 MS21, A0500 MS21-00, A110 MS24-0</td>
</tr>
<tr>
<td>03</td>
<td>6 contacts</td>
<td>(Max. 4 steps per switching direction possible!)</td>
</tr>
</tbody>
</table>

### Silver contacts (4A 250 V AC15)
- A99 contact - arrangement according customer request

- Z Spring return
- R Friction brake
- **P** Possibility of mounting potentiometer and encoder (Gessmann-types)

### Potentiometer
- P324 T365 2 x 5 kOhm | max. 1 mA
- P325 T365 2 x 10 kOhm | max. 1 mA

More potentiometers on request!

### Encoder
- C... Encoder see page 146

## Axis 2: direction 3-4 left / direction 7-8 right

### (not applied for V11.1)

<table>
<thead>
<tr>
<th>Option</th>
<th>Contacts</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>2 contacts (2A 250V AC15)</td>
<td>Standard contact - arrangement see page 140</td>
</tr>
<tr>
<td>02</td>
<td>4 contacts (2A 250V AC15)</td>
<td>z.B. A980 MS00, A05 MS21, A0500 MS21-00, A110 MS24-0</td>
</tr>
<tr>
<td>03</td>
<td>6 contacts (2A 250V AC15)</td>
<td>(Max. 4 steps per switching direction possible!)</td>
</tr>
</tbody>
</table>

### Silver contacts (4A 250 V AC15)
- A99 contact - arrangement according customer request

- Z Spring return
- R Friction brake
- **P** Possibility of mounting potentiometer and encoder (Gessmann-types)

### Potentiometer
- P324 T365 2 x 5 kOhm | max. 1 mA
- P325 T365 2 x 10 kOhm | max. 1 mA

More potentiometers on request!

### Encoder
- C... Encoder see page 146

## Special model

- X Special / customer specified

## Attachments

- Indicating labels
- Indicating labels with engraving

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

V11

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<table>
<thead>
<tr>
<th>Type</th>
<th>No. of contacts</th>
<th>Dim. B</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>2</td>
<td>51</td>
</tr>
<tr>
<td>02</td>
<td>4</td>
<td>64</td>
</tr>
<tr>
<td>03</td>
<td>6</td>
<td>76</td>
</tr>
</tbody>
</table>