Multi-axis controller
V11

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical life</td>
<td>10 million operating cycles</td>
</tr>
<tr>
<td>Operation temperature</td>
<td>-40°C to +60°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-50°C to +80°C</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP54 front</td>
</tr>
</tbody>
</table>

| 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

Technical details may vary based on configuration or application! Technical data subject to change without notice!
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Combination possibilities with our handles

Basic unit
V11L 2-axis left
V11R 2-axis right
V11.1L 1-axis left
V11.1R 1-axis right

Control-handle extended*
Standard 120 mm
S5 -20 mm
S8 +20 mm
*Only available in combination with handle!

Gate
P Cross gate
P X Special gate

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 151)

Identification of the installation variants with switching directions:

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Axis 1: direction 1-2 left / direction 5-6 right
(Standard contacts gold-plated 2A 250 V AC15)

| 01 | 2 contacts | Standard contact - arrangement see page 135 |
| 02 | 4 contacts | e.g. |
| 03 | 6 contacts | A980 M500 |
|   |           | A05 M521 |
|   |           | A0500 M521-00 |
|   |           | A110 M524-0 |

- A = 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)
P Potentiometer
- P324 T365 2 x 5 kOhm I max. 1 mA
- P325 T365 2 x 10 kOhm I max. 1 mA
More potentiometers on request!

C Encoder
C... Encoder see page 141

Axis 2: direction 3-4 left / direction 7-8 right
(not applied for V11.1)
(Standard contacts gold-plated 2A 250 V AC15)

| 01 | 2 contacts (2A 250V AC15) | Standard contact - arrangement see page 135 |
| 02 | 4 contacts (2A 250V AC15) | z.B. |
| 03 | 6 contacts (2A 250V AC15) | A980 M500 |
|   |                   | A05 M521 |
|   |                   | A0500 M521-00 |
|   |                   | A110 M524-0 |

- A = 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)
P Potentiometer
- P324 T365 2 x 5 kOhm I max. 1 mA
- P325 T365 2 x 10 kOhm I max. 1 mA
More potentiometers on request!

C Encoder
C... Encoder see page 150

Special model
X Special / customer specified

Attachments
Indicating labels
Indicating labels with engraving

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