

Multi-axis controller V6 / VV6



The multi-axis controller V6 / VV6 is available in either single-axis or multi-axis options and is a robust controller used commonly in crane and hoisting applications. The modular design and many possibilities of combination with our handles enables the switching device to be used universally. The V6 / VV6 is resistant to oil, maritime conditions e.g. offshore / vessels, UV radiation typically from the sun.



1

Technical data

Mechanical life V6	10 million operating cycles
Mechanical life VV6	20 million operating cycles
Operation temperature	-40°C to +60°C
Storage temperature	-50°C to +80°C
Degree of protection	IP54 front

	V62L	S5	P	T	Example					-X
					-01 Z P	+03A R C	-A05 P134	+A110 C01		
Basic unit										
V62L 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										
C Opto-electronical encoder										
Description axis 1 (direction 1-2)										
A05 Arrangement MS21										
P134 Potentiometer T396 2 x 5 kOhm										
Description axis 2 (direction 3-4)										
A110 Arrangement MS24-0										
C01 OEC 2-1-1										
Special model										
X Special / customer specified										

Combination possibilities with our handles



V62L S5 P T -01 Z P +03A R C -A05 P134 +A110 C01 -X

Basic unit

V61L	1-axis left
V61R	1-axis right
V61.1	1-axis
V64.1	1-axis
V62L	2-axis left
V62R	2-axis right
V64	2-axis

reinforced version

VV61L	1-axis left
VV61R	1-axis right
VV61.1	1-axis
VV64.1	1-axis
VV62L	2-axis left
VV62R	2-axis right
VV64	2 axis

Control-handle extended*

Standard 180 mm

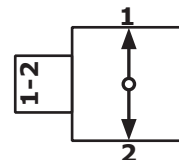
S3	-40 mm
S5	-20 mm
S8	+20 mm

*Only available in combination with handle!

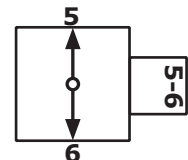
Gate

P	Cross gate
P X	Special gate

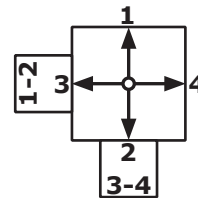
Identification of the installation variants with switching directions:



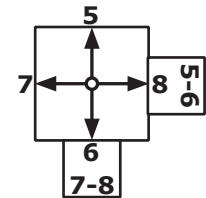
V61L/VV61L



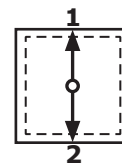
V61R/VV61R



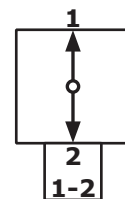
V62L/VV62L



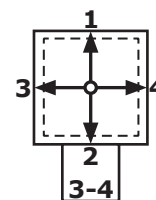
V62R/VV62R



V64.1/VV64.1



V61.1/VV61.1



V64/VV64

V62L S5 P T -01 Z P +03A R C -A05 P134 +A110 C01 -X

Grip / palm grip	
	Knob (included in basic unit!)
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
<i>*Only possible with VV6!</i>	
B...	Palm grip B... (see Palm grip page 151)
<i>Attention! When usage some handles reduces the deflection angle to 28 degrees!</i>	

V62L S5 P T -01 Z P +03A R C -A05 P134 +A110 C01 -X

Axis 1: direction 1-2 left / direction 5-6 right																	
(Standard contacts gold-plated 2A 250 V AC15)																	
01 <input type="checkbox"/>	2 contacts	Standard contact - arrangement see page 135															
02 <input type="checkbox"/>	4 contacts	z.B.															
03 <input type="checkbox"/>	6 contacts	A980 MS00															
04 <input type="checkbox"/>	8 contacts	A05 MS21															
05 <input type="checkbox"/>	10 contacts	A0500 MS21-00															
06 <input type="checkbox"/>	12 contacts	A110 MS24-0															
<input checked="" type="checkbox"/>	= silver contacts (4A 250V AC15)	A99 contact - arrangement according customer request															
Z	Spring return																
R	Friction brake																
(P)	Possibility of mounting potentiometer and encoder (Gessmann-types)																
P	Potentiometer	<table border="0"> <tr> <td>P131</td> <td>T396 2 x 0,5 kOhm</td> <td>I max. 1 mA</td> </tr> <tr> <td>P132</td> <td>T396 2 x 1 kOhm</td> <td>I max. 1 mA</td> </tr> <tr> <td>P133</td> <td>T396 2 x 2 kOhm</td> <td>I max. 1 mA</td> </tr> <tr> <td>P134</td> <td>T396 2 x 5 kOhm</td> <td>I max. 1 mA</td> </tr> <tr> <td>P135</td> <td>T396 2 x 10 kOhm</td> <td>I max. 1 mA</td> </tr> </table> <p><i>More potentiometers on request!</i></p>	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
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															
C	Encoder	C... Encoder see page 141															

If both axis identical, it`s enough to describe one axis!
 Example A05P134 + A05P134 => A05P134

V62L S5 P T -01 Z P +03A R C -A05 P134 +A110 C01 -X

Axis 2: direction 3-4 left / Direction 7-8 right (not applicable for V/VV61, V/VV61.1, V/VV64.1)

(Standard contacts gold-plated 2A 250 V AC15)

01	<input type="checkbox"/>	2 contacts	Standard contact - arrangement see page 135	
02	<input type="checkbox"/>	4 contacts	z.B.	
03	<input type="checkbox"/>	6 contacts	A980	MS00
04	<input type="checkbox"/>	8 contacts	A05	MS21
05	<input type="checkbox"/>	10 contacts	A0500	MS21-00
06	<input type="checkbox"/>	12 contacts	A110	MS24-0
		<input checked="" type="checkbox"/> = 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	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 150

V62L S5 P T -01 Z P +03A R C -A05 P134 +A110 C01 -X

Special model

X Special /customer specified

Attachments

Indicating labels

Indicating labels with engraving

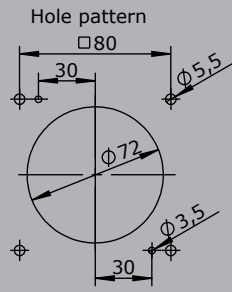
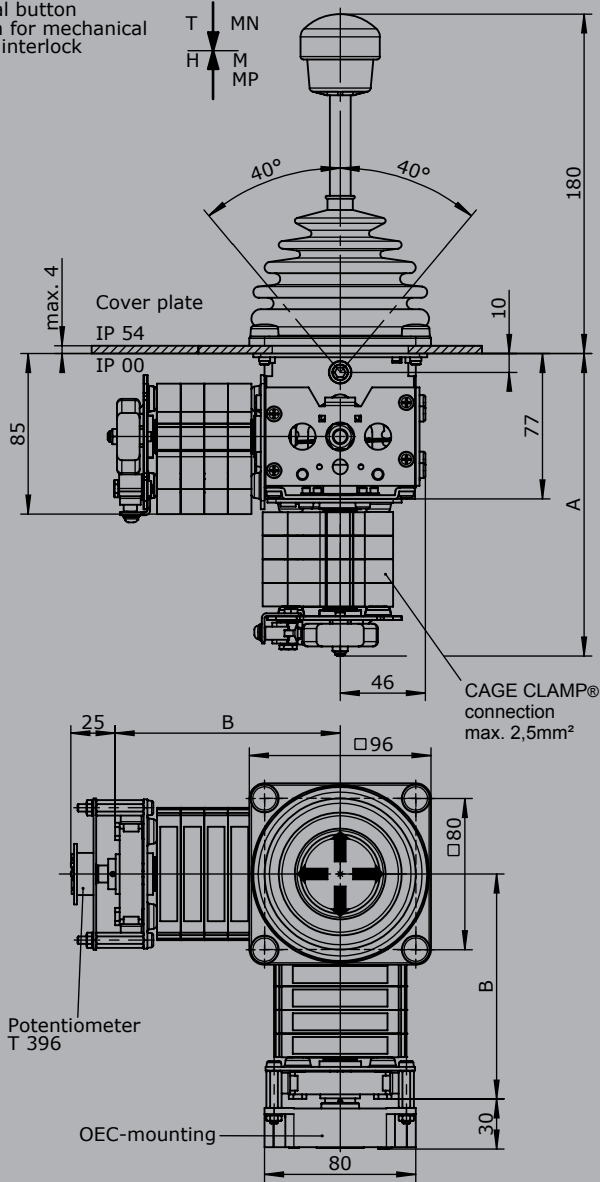


Multi-axis controller

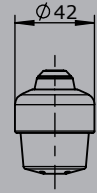
V6 / VV6

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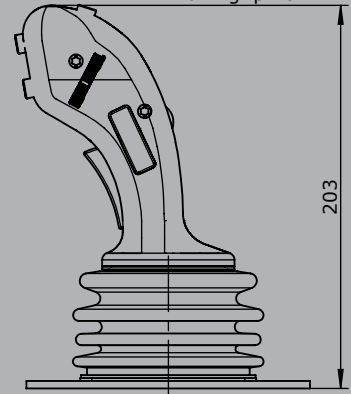
T = Dead man's button
 H = Signal button
 M = Latch for mechanical zero interlock



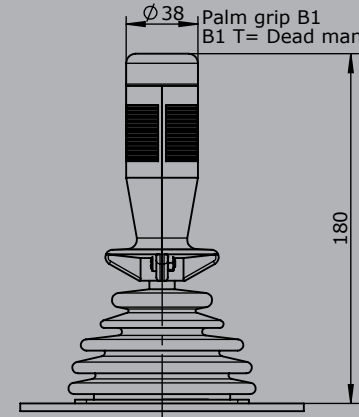
Knob solid
 D = Push button



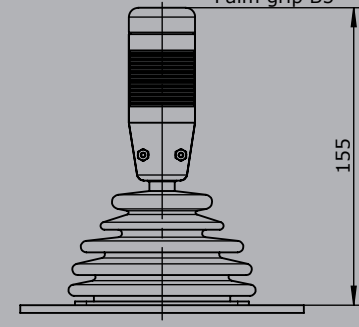
Palm grip B3



Palm grip B1
 B1 T = Dead man's button



Palm grip B5



Type	No. of contacts	Dim. A	Dim. B
01	2	119	82
02	4	131	94
03	6	144	107
04	8	156	119
05	10	169	132
06	12	181	144

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