

Multi-axis Controller

V6 / VV6



The Multi-axis Controller V6 / VV6 is a robust switching device designed for crane systems and hoisting equipment. The modular design and the many possible combinations with our palm grips make this joystick universally applicable.

Technical data

Mechanical life V6	10 million operating cycles
Mechanical life VV6	20 million operating cycles
Operation temperature	-40°C to +85°C
Degree of protection	up to IP54 front



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

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

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Combination possibilities with our grips



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*

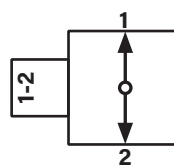
S3	-40 mm
S5	-20 mm
S8	+20 mm

*Only available in combination with a handle!

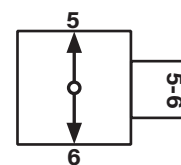
Gate

P	Cross gate
P X	Special gate

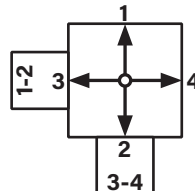
Identification of the installation variants with switching directions:



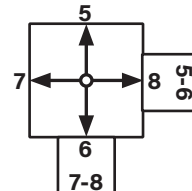
V61L/VV61L



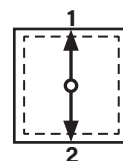
V61R/VV61R



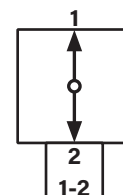
V62L/VV62L



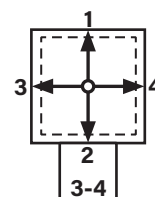
V62R/VV62R



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

*Only possible with VV6!

B... Palm grip B... (see Palm grip page 170)

Attention! When using some handles the deflection angle can be reduced to 28°!

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 151	
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

☒ = 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	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 Encoder C... Encoder see page 157

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 151	
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
		More potentiometers on request!		

C Encoder C... Encoder see page 157

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

Special model

X Special /customer specified

Attachments

Indicating labels

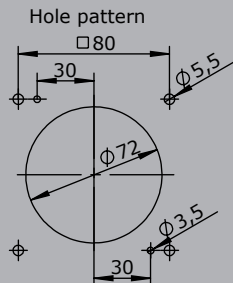
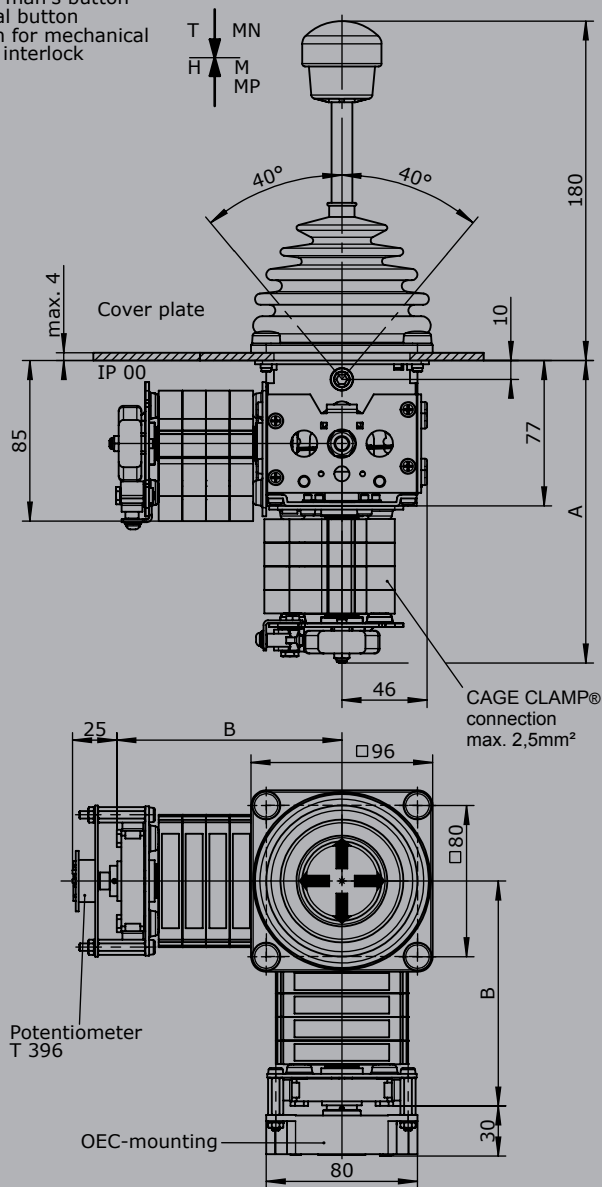
Indicating labels with engraving

Multi-axis Controller

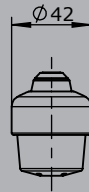
V6 / VV6



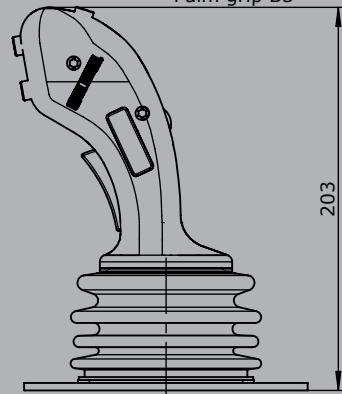
T = Dead man's button
H = Signal button
M = Latch for mechanical
zero interlock



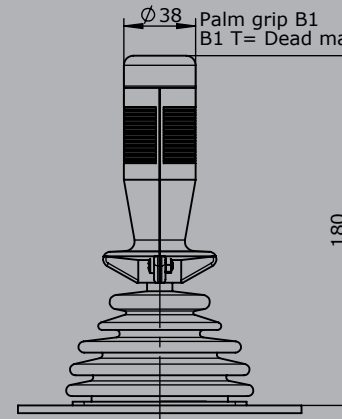
Knob solid
D= Push button



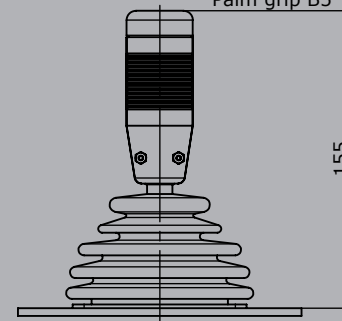
Palm grip B3



$\phi 38$ 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