

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 electro-hydraulic 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.

Technical data

Mechanical life V6	10 million operating cycles
Mechanical life VV6	20 million operating cycles
Operation temperature	-40°C til +60°C
Degree of protection	IP 54 front



	V62L	S5	P	T	Example					- X
Basic unit					- 01 Z P	+ 03A R C	- A05 P134	+ A110 C01		
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 250V AC15)										
Z Spring return										
P Potentiometer										
Axis 2 (direction 3-4)										
03A 6 Contacts (4A 250V AC15)										
R Friction brake										
C Opto-electronical encoder										
Description axis 1 (direction 1-2)										
A05 Arrangement MS 21										
P134 Potentiometer T396 2x5 kOhm										
Description axis 2 (direction 3-4)										
A110 Arrangement MS 24-0										
C01 OEC 2-1-1										
Special model										
X Special / customer-specific										

Multi-axis controller

V6 / VV6

Combination possibilities with our ball handles



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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

Grip / palm grip

Knob (standard)

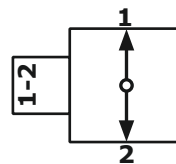
- M Mechanical zero interlock
- MN Mechanical zero interlock (push down)
- T Dead man
- MT* Mechanical zero interlock + dead man
- H Signal button
- MH Mechanical zero interlock + signal button
- D Push button
- MD* Mechanical zero interlock + push button
- DV Flush push button
- MDV* Mechanical zero interlock + flush push button

*Only possible with VV6!

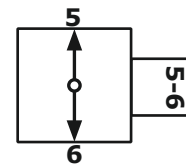
B... Palm grip B... (see Palm grip page 128)

Attention! When using some handles reduces the deflection angle to 28 degrees!

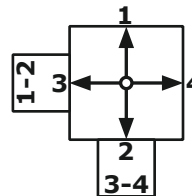
Identification of the installation variants with switching directions:



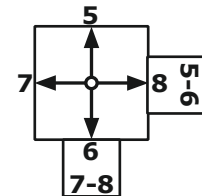
V61L/VV61L



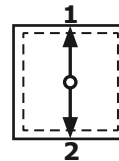
V61R/VV61R



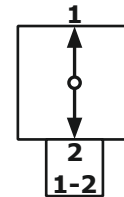
V62L/VV62L



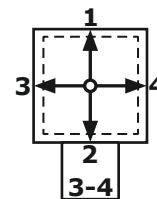
V62R/VV62R



V64.1/VV64.1



V61.1/VV61.1



V64/VV64

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

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

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

01	<input type="checkbox"/>	2 contacts	Standard contact - arrangement see page 106	
02	<input type="checkbox"/>	4 contacts	z.B.	
03	<input type="checkbox"/>	6 contacts	A980	MS 00
04	<input type="checkbox"/>	8 contacts	A05	MS 21
05	<input type="checkbox"/>	10 contacts	A0500	MS 21-00
06	<input type="checkbox"/>	12 contacts	A110	MS 24-0
		<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	P131	T396 2x0,5 kOhm	I max. 1 mA
		P132	T396 2x1 kOhm	I max. 1 mA
		P133	T396 2x2 kOhm	I max. 1 mA
		P134	T396 2x5 kOhm	I max. 1 mA
		P135	T396 2x10 kOhm	I max. 1 mA
		<i>More potentiometer on request!</i>		

C Encoder C... Encoder see page 118

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

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

Axis 2: Direction 3-4 left / Direction 7-8 right

(not applicable to V/VV61, V/VV61.1, V/VV64.1)

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

01	<input type="checkbox"/>	2 contacts	Standard contact - arrangement see page 106	
02	<input type="checkbox"/>	4 contacts	z.B.	
03	<input type="checkbox"/>	6 contacts	A980	MS 00
04	<input type="checkbox"/>	8 contacts	A05	MS 21
05	<input type="checkbox"/>	10 contacts	A0500	MS 21-00
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C Encoder C... Encoder see page 118



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Special model

X Special / customer-specific

Special model

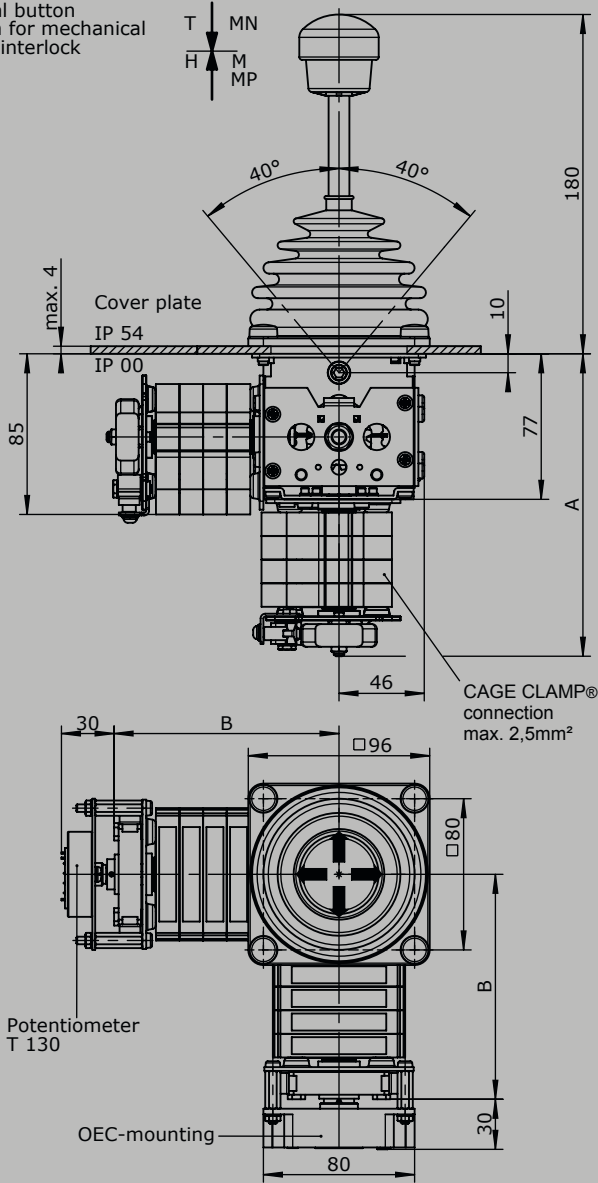
Indicating labels

Indicating labels with engraving

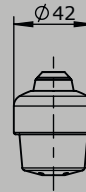
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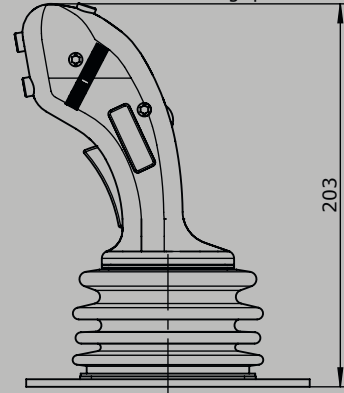
T = Dead man's button
H = Signal button
M = Latch for mechanical zero interlock



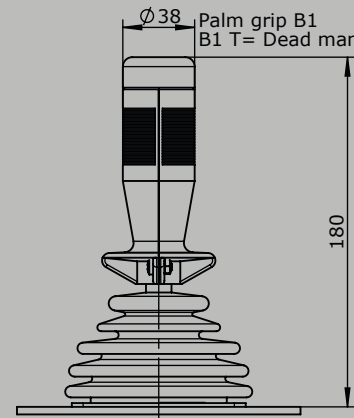
Knob solid
D = Push button



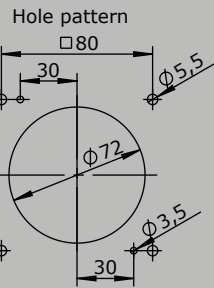
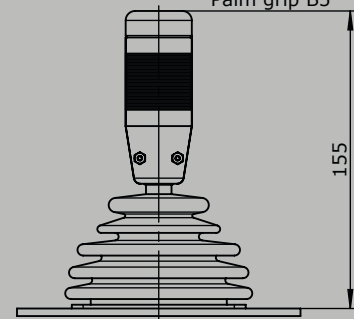
Palm grip B3



$\phi 38$ 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