

Multi-axis controller VA6



The multi-axis controller VA6 is available in either single-axis or multi-axis options and is a robust explosion proof controller used commonly in crane and hoisting applications. The modular design enables the switching device to be used universally. The VA6 is resistant to oil, maritime conditions e.g. offshore / vessels, UV radiation typically from the sun.

Technical data

Mechanical life VA6	10 million operating cycles
Operation temperature	-40°C to +60°C
Storage temperature	-50°C to +80°C
Degree of protection	IP54 front IP66 (microswitch and potentiometer)
Identifications	II 2G IIC T5 or T6 II 2D T85° or T95°C
Group of devices	II
Equipment category	2D and 2G
Certificate	OBAC 17 ATEX 0126X

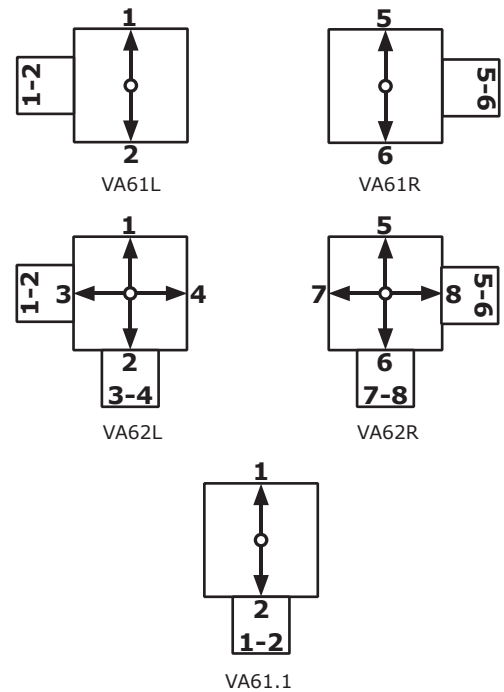


	VA62L	S5	P	T	- 01 Z P	+ 03 R	- A05 P144	+ A110
Basic unit								
VA62L 2-axis left								
Control-handle extended								
S5 -20mm								
Gate								
P Cross gate								
Grip / palm grip								
T Dead man								
Axis 1 (direction 1-2)								
01 2 contacts								
Z Spring return								
P Potentiometer								
Axis 2 (direction 3-4)								
03 6 contacts								
R Friction brake								
Description axis 1 (direction 1-2)								
A05 Arrangement MS21								
P44 Potentiometer T1350 2x5kOhm								
Description axis 2 (direction 3-4)								
A110 Arrangement MS24-0								

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	VA62L	S5	P	T	- 01 Z P	+ 03 R	- A05 P144	+ A110
Basic unit								
VA61L	1-axis left							
VA61R	1-axis right							
VA61.1	1-axis							
VA62L	2-axis left							
VA62R	2-axis right							
Control-handle extended								
	Standard 180mm							
S3	-40mm							
S5	-20mm							
S8	+20mm							
Gate								
P	Cross gate							
P X	Special gate							
Grip / palm grip								
	Knob <i>(included in basic unit!)</i>							
M	Mechanical zero interlock							
MN	Mechanical zero interlock (push down)							
T	Dead man							
H	Signal button							
D	Push button							
DV	Flush push button							

Identification of the installation variants with switching directions:



		VA62L	S5	P	T	-01 Z P	+ 03 R	A05	P144	+ A110
Axis 1: direction 1-2 left / direction 5-6 right										
		(contacts gold-plated 2A 250V AC15,  II 2G Ex d IIC T6, connecting cable 6m)								
01	2 contacts	Standard contact - arrangement see page 131								
02	4 contacts	z.B.								
03	6 contacts	A980				MS00				
04	8 contacts	A05				MS21				
05	10 contacts	A0500				MS21-00				
06	12 contacts	A110				MS24-0				
		A99 contact - arrangement according customer request								
Z	Spring return									
R	Friction brake									
P	Potentiometer Ex	P144	T1350 2x5kOhm			I max. 1mA				
		P145	T1350 2x10kOhm			I max. 1mA				
		 II 2G Ex d IIC T6 Gb								
		Connecting cable 6m								

If both axis identical, it`s enough to describe one axis!
Example A05P144 + A05P144 => A05P144

VA62L S5 P T - 01 Z P + 03 R - A05 P144 + A110

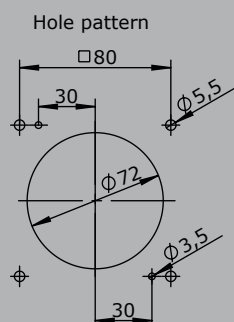
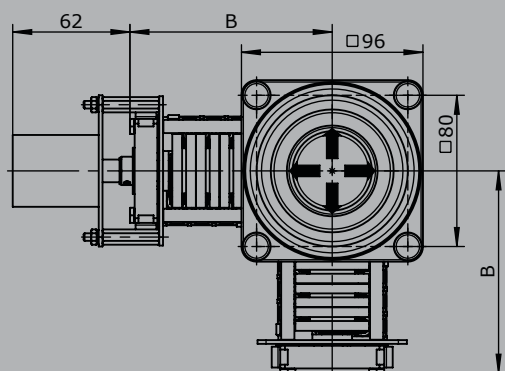
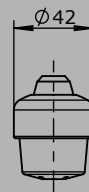
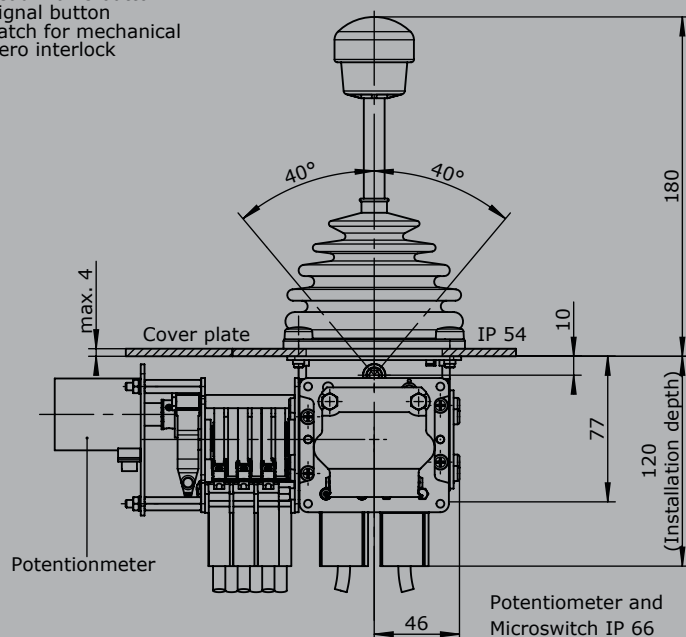
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Axis 2: direction 3-4 left / Direction 7-8 right		(not applicable for VA61, VA61.1)	
(Standard contacts gold-plated 2A 250V AC15,  II 2G Ex d IIC T6, connecting cable 6m)			
01	2 contacts	Standard contact - arrangement see page 131	
02	4 contacts	z.B.	
03	6 contacts	A980	MS00
04	8 contacts	A05	MS21
05	10 contacts	A0500	MS21-00
06	12 contacts	A110	MS24-0
		<i>A99 contact - arrangement according customer request</i>	
Z	Spring return		
R	Friction brake		
P	Potentiometer Ex	P144	T1350 2x0,5kOhm I max. 1mA
		P145	T1350 2x1kOhm I max. 1mA
		 II 2G Ex d IIC T6 Gb	
		Connection 6m	

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

Knob solid
D= Push button



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