

Multi-axis controller V14



The multi-axis controller V14 is a robust switching device for remote control and eletro-hydraulic applications. The modular design enables the switching device to be used universally. The V14 is resistant to oil, maritime conditions e.g. offshore / vessels, UV radiation typically from the sun.

Technical data

Mechanical life V14	6 million operating cycles
Operation temperature	-40°C til +60°C
Degree of protection	IP65



1

	V14L	S8	P	T	Example				
					- 01 Z C	+ 03 R	- A05 C61	+ A110	- X
Basic unit									
V14L 2-axis left									
Control-handle extended									
Standard									
S8 +20mm									
<i>*Only available in combination with handle!</i>									
Gate									
P Cross gate									
Grip / Palm grip									
T Dead man									
Axis 1 (direction 1-2)									
01 2 contacts (2A 250V AC15)									
Z Spring return									
C Mechanical encoder									
Axis 2 (direction 3-4)									
03 6 contacts (2A 250V AC15)									
R Friction brake									
Description axis 1 (direction 1-2)									
A05 Arrangement MSP21									
C61 Mechanical encoder MEC 1-2									
Description axis 2 (direction 3-4)									
A110 Arrangement MS24-0									
Special model									
X Special / customer-specific									

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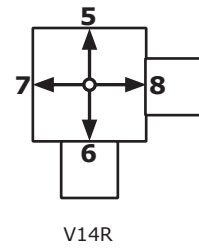
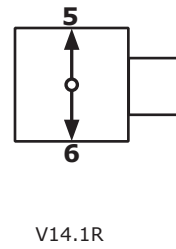
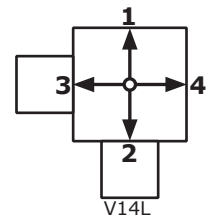
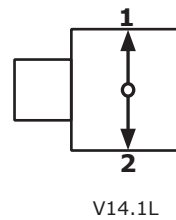
Combination possibilities with our handles



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	V14L	S8	P	T	-	01 Z C	+	03 R	-	A05	C61	+	A110	-	X
Basic unit															
V14.1L	1-axis left														
V14.1R	1-axis right														
V14L	2-axis left														
V14R	2-axis right														
Control-handle extended															
	Standard														
S8	+20mm														
Gate															
P	Cross gate														
P X	Special gate														
Grip / palm grip															
	Knob 25mm (standard)														
M	Mechanical zero interlock														
MH	Mechanical zero interlock + signal contact														
T	Dead man														
H	Signal button														
GK1	Knob 42mm														
GK1M	Mechanical zero interlock														
GK1MN	Mechanical zero interlock (push down)														
GK1T	Dead man														
GK1H	Signal button														
GK1MH	Mechanical zero interlock + signal contact														
GK1D	Push button														
GK1DV	Flush push button														
GSP	Twist grip 2x5kOhm + direction tracks I _{max} = 1mA														
B...	Palm grip B... (see page palm grip 129)*														

Identification of the installation variants with switching directions:



*Attention! The multi-axis controller V14 is not suitable for large palm grips (B3, B7/B8, B9...)

	V14L	S8	P	T	-	01 Z C	+	03 R	-	A05	C61	+	A110	-	X
Axis 1: direction 1-2 left / direction 5-6 right															
(Standard contacts gold-plated 2A 250V AC15)															
01	2 contacts	Standard contact - arrangement see page 112													
02	4 contacts	z.B.													
03	6 contacts	A05 MS21													
		A0500 MS21-00													
		A110 MS24-0													
		A99 contact - arrangement according customer request													

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

V14L S8 P T - 01Z C + 03 R - A05 C61 + A110 - X

Z Spring return (included in basic unit!)

R Friction brake

C Mechanical encoder

C61	MEC 1-2	
	EA/02-10	I max. 1mA
	Potentiometer track	2x10kOhm
	Direction tack	Arrangement MS26-0
C62	MEC 1-7	
	EA/10-10	I max. 1mA
	Potentiometer track	2x5kOhm
	Direction track	Arrangement MS26-0-1
C66	MEC 1-10	
	EA/17-10	I max. 10mA
	Potentiometer track	2x1,5kOhm
	Direction track	Arrangement MS21-0+MS21
C63	MEC 1-6	
	EA/09-10	
	6 Bit Gray Code	
C64	MEC 1-6-5	
	ER/36-10	Us=18-30V
	Current output 20...4...20mA	
C65	MEC 1-6-8	
	ER/36-12	Us=18-30V
	Current output 20...0...20mA	
C67	MEC 1-6-9	
	ER/36-11	Us=18-30V
	Voltage output 10...0...10V	

Potentiometer on request!

If both axis identical, it`s enough to describe one axis!

Beispiel: ...A05C61 + A05C61 => A05C61

V14L S8 P T - 01Z C + 03 R - A05 C61 + A110 - X

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

(not applied for V14.1L and V14.1R)

See description axis 1!

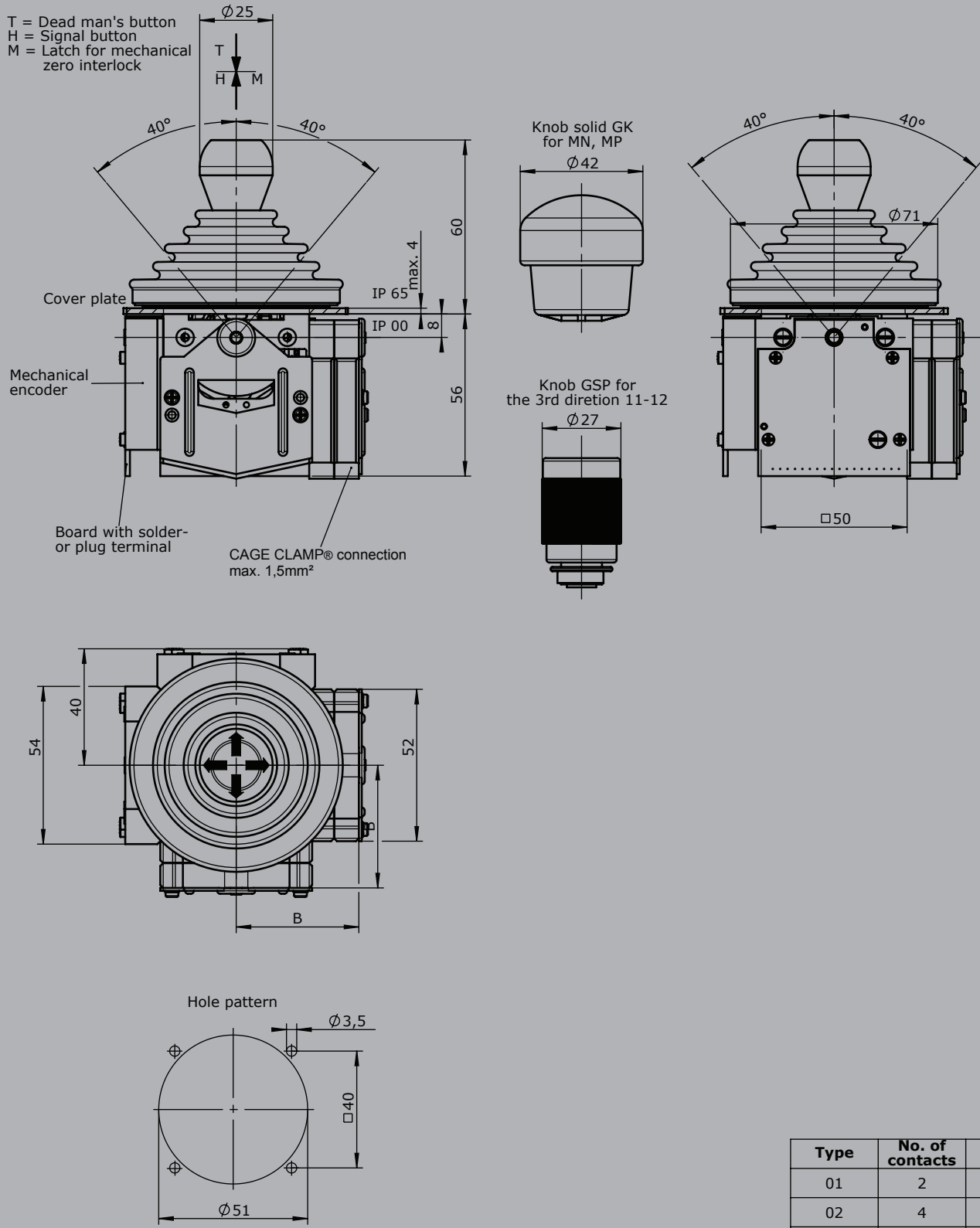
Special model

X Special / customer-specific

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