

Multi-axis controller V14



GESSMANN®

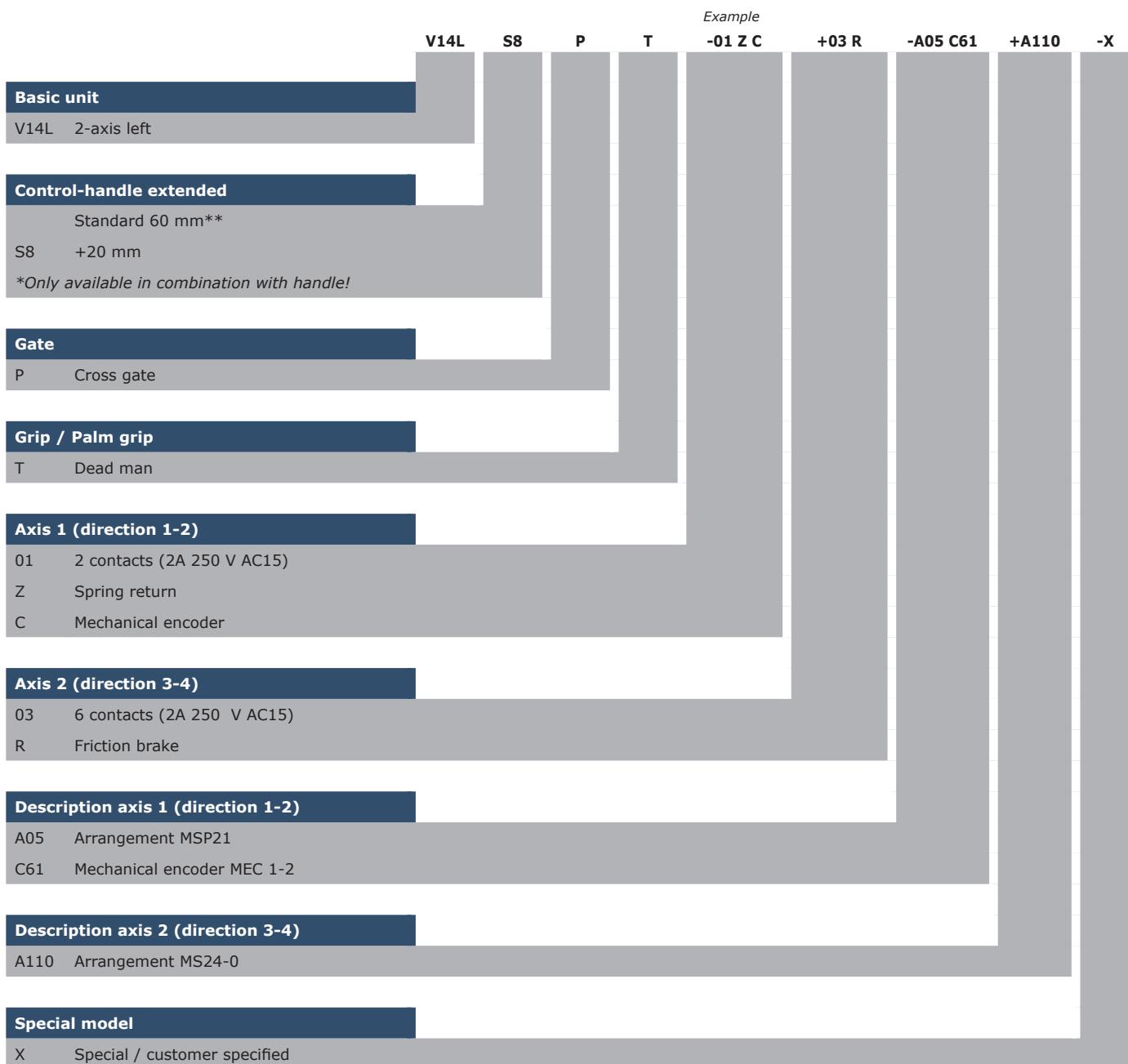
The multi-axis controller V14 is a robust switching device for remote control and electro-hydraulic applications. The modular design enables the switching device to be used universally. The V14 is resistant to oil, maritime conditions e.g. offshore / vessels, UV radiation typically from the sun.

Technical data

Mechanical life V14	6 million operating cycles
Operation temperature	-40°C to +85°C
Degree of protection	up to IP65



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

Combination possibilities with our handles



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 60mm*

S8 +20 mm

*Only available in combination with handle!

Gate

P Cross gate

P X Special gate

Grip / palm grip

Knob 25 mm (standard)

M Mechanical zero interlock

MH Mechanical zero interlock + signal contact

T Dead man

H Signal button

GK1 Knob 42 mm

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

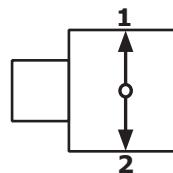
GS9 Hall-twist grip with spring return

GS9-D Hall-twist grip with spring return and push button on top

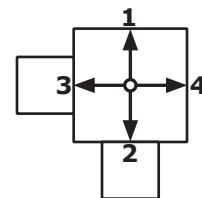
B... Palm grip B... (see page palm grip page 157)

Identification of the installation variants

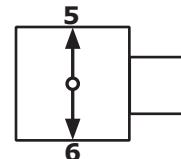
with switching directions:



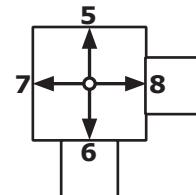
V14.1L



V14L



V14.1R



V14R

*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 140

02 4 contacts

e.g.

03 6 contacts

A05 MS21

A0500 MS21-00

A110 MS24-0

A99 contact - arrangement according customer request

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Multi-axis controller

V14



3 Spring return (included in basic unit!)

R Friction brake

C Mechanical encoder

C61	MEC 1-2	
	EA/02-10	I max. 1 mA
	Potentiometer track	2 x 10 kOhm
	Direction track	Arrangement MS26-0
C62	MEC 1-7	
	EA/10-10	I max. 1 mA
	Potentiometer track	2 x 5 kOhm
	Direction track	Arrangement MS26-0-1
C66	MEC 1-10	
	EA/17-10	I max. 10 mA
	Potentiometer track	2 x 1,5 kOhm
	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=18-30 V
	Current output 20...4...20 mA	
C65	MEC 1-6-8	
	ER/36-12	Us=18-30 V
	Current output 20...0...20 mA	
C67	MEC 1-6-9	
	ER/36-11	Us=18-30 V
	Voltage output 10...0...10 V	

1

H Hall-Potentiometer

E14811

0,5...2,5...4,5 V / 4,5...2,5...0,5 V

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

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

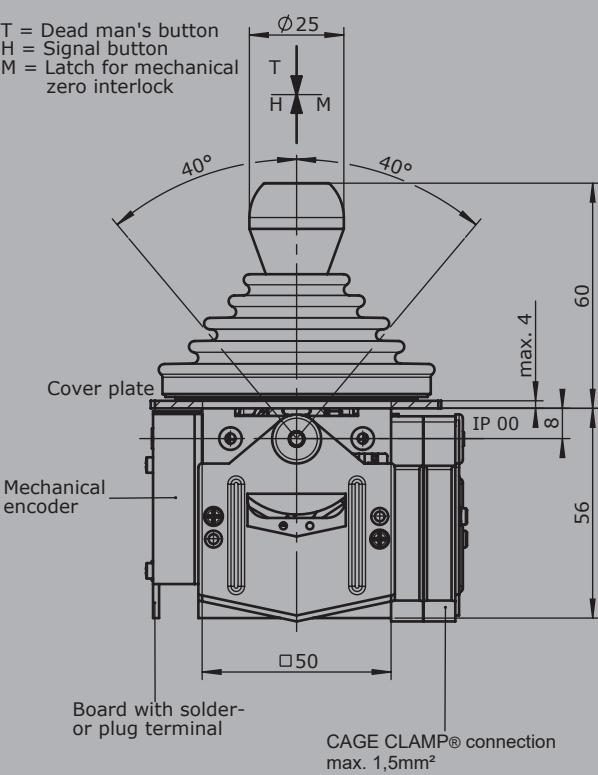
(not applied for V14.1L and V14.1R)

See description axis 1!

Special model

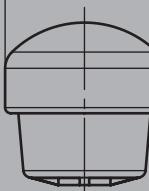
X Special / customer specified

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

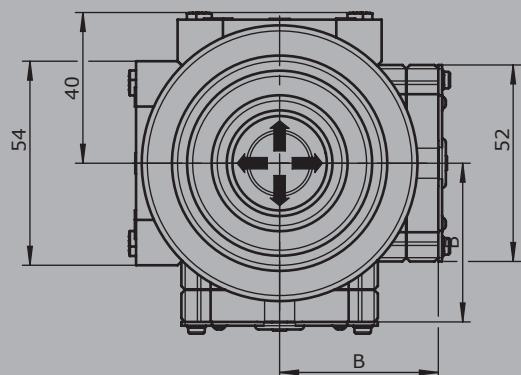
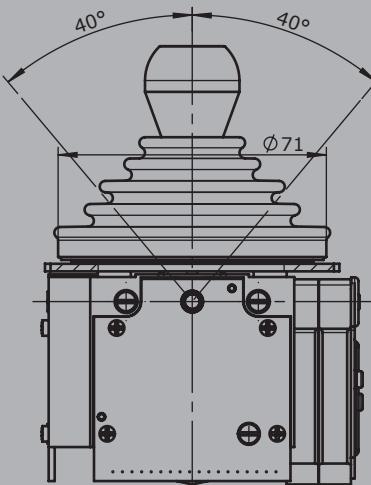


Knob solid GK for MN, MP

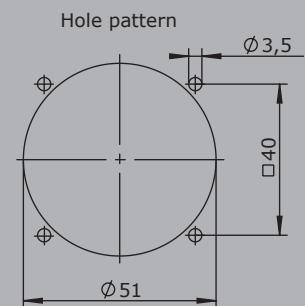
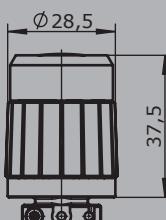
Ø42



Twist grip



Twist grip with Push button



Type	No. of contacts	Dim.
01	2	36
02	4	45
03	6	54