

Multi-Axis Controller

V14



GESSMANN®

The V14 is a robust switching device for remote control and electro-hydraulic applications. Due to its modular design, this control unit can be used universally. The integrated sensor system has signal and potentiometer tracks in conductive plastic technology. Switching contacts are also available as an option.

Technical data

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



	V14L	S8	P	T	Example -01 Z C	+03 R	-A05 C61	+A110	-X
Basic unit									
V14L	Multi-Axis Controller 2-axis left								
Control-handle extended									
	Standard 60 mm**								
S8	+20 mm								
<i>*Only available in combination with grip!</i>									
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								
C	Mechanical encoder								
Axis 2 (direction 3-4)									
03	6 contacts (2A 250 V 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 specified								

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

Multi-Axis Controller
V14

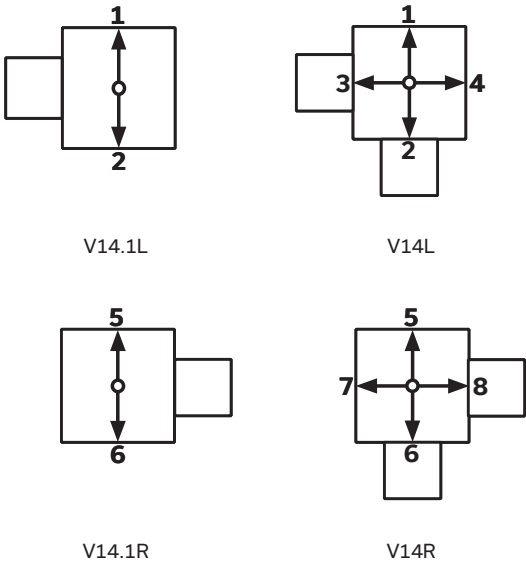


Combination possibilities with our grips



	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 60 mm*														
S8	+20 mm														
*Only available in combination with a 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 163)														

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...)

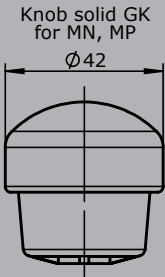
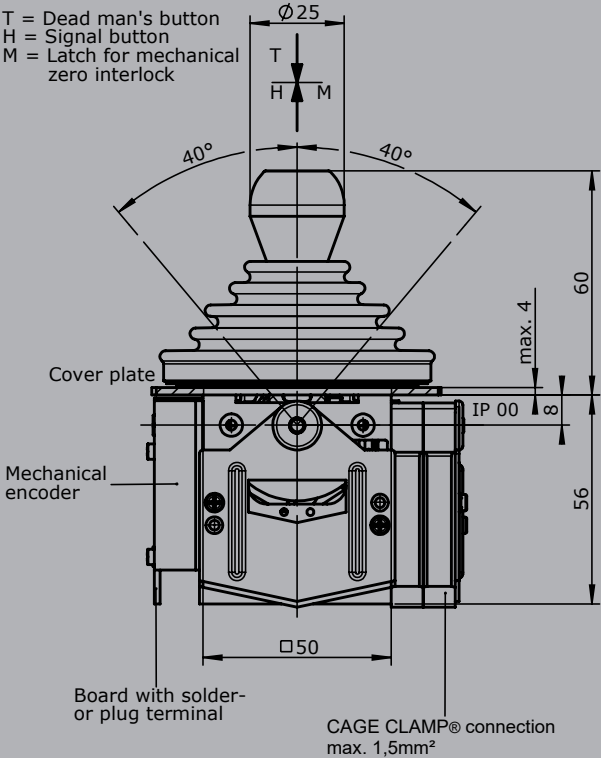
	V14L	S8	P	T	-	01 Z C	+	03 R	-	A05	C61	+	A110	-	X
Axis 1: direction 1-2 left / direction 5-6 right															
(Standard contacts gold-plated 2A 250V AC15)															
01	2 contacts														
02	4 contacts														
03	6 contacts														
Standard contact - arrangement see page 129															
e.g.															
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!

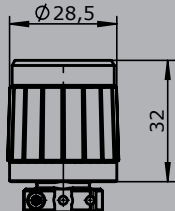
	V14L	S8	P	T	-	01 Z C	+	03 R	-	A05	C61	+	A110	-	X		
Z	Spring return <i>(included in basic unit!)</i>																
R	Friction brake																
C	Mechanical encoder										C61	MEC 1-2					

	V14L	S8	P	T	-	01 Z 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														

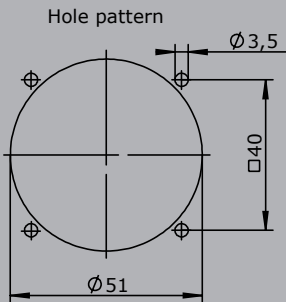
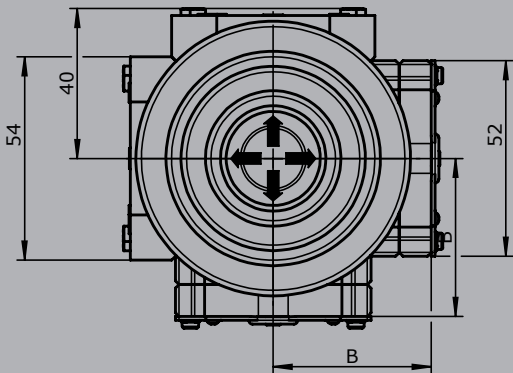
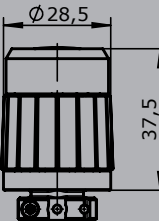
T = Dead man's button
H = Signal button
M = Latch for mechanical
zero interlock



Twist grip



Twist grip with Push button



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