

Multi-Axis Controller V1



The V1 is a robust Joystick commonly used in electro-hydraulic applications. The modular design enables the switching device to be used universally. Long life and high reliability is ensured by the latest contactless hall-technology.

Technical data

Mechanical life V1	1 million operating cycles
Supply voltage	See interface
Operation temperature	-40°C to +85°C
Degree of protection	Up to IP65
Functional safety	PLd compatible (EN ISO 13849, complies SIL2 to DIN EN IEC 61508)



	V1	P	H11	H13	H15	H17	-Z	+Z	-B	-E...	-S...	-X
Basic unit												
V1.1 Multi-Axis Controller, 1-axis												
V1 Multi-Axis Controller, 2-axis												
Gate												
P Cross gate												
PX Special gate												
Grip / Grip functions												
Grip (included in basic unit!)												
H11 Additional axis 1 / Grip up - down												
H13 Additional axis 2 / Grip rotate left - right												
H15 Additional axis 3 / Grip tilt forwards - backwards												
H17 Additional axis 4 / Grip tilt left - right												
Axis 1												
Z Spring return												
R Friction brake												
Axis 2 (not applicable to V1.1)												
Z Spring return												
R Friction brake												
Cover housing												
B Cover housing (included in basic unit!)												
Interface (description see on the following pages)												
E1xx Voltage output												
More interfaces on request!												
Plug connectors												
S... Standard plug connectors (see page 125)												
Special model												
X Special / customer specified												

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

Voltage output (not stabilized)

Supply voltage	4,75-5,25V DC		
Current carrying capacity	Direction signal 8 mA		
Mounting depth A	85 mm		
Wiring	1. cable 14 x 0,25 mm ² 500 mm long without plug connector		
	Optional with plug connector (standard plug connectors see page 125)		S
0,5...2,5...4,5V redundant signals per axis			
	1 axis	E103 1	
	2 axis	2	
	3 axis*	3	
	4 axis*	4	
	5 axis*	5	
	6 axis*	6	
Output options			
Characteristic:			
	Inverse dual		1
	Dual		2
	Inverse dual with dead zone +/- 3° (standard)		3
	Dual with dead zone +/- 3°		4

More outputs on request!

