

Single-axis Controller

S14



The S14 is a compact single-axis joystick designed for remote control and electrohydraulic 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. Optionally switch contacts are also available.

Technical data

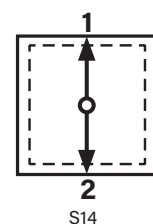
Mechanical life S14	6 million operating cycles
Operating temperature	-40°C to +85°C
Degree of protection	up to IP65



	S14L	S8	Example T	-01ZC	-A05 C61	-X
Basic unit						
S14L						
Control-handle extended						
Standard 60 mm*						
S8 +20 mm						
*Only possible in combination with handle!						
Grip / palm grip						
T Dead man						
Axis 1 (direction 1-2)						
01 2 contacts (2A 250 V AC15)						
Z Spring return						
C Mechanical encoder						
Description axis 1 (direction 1-2)						
A05 Arrangement MSP21						
C61 Mechanical encoder MEC 1-2						
Special model						
X Special / customer specified						

	S14L	S8	T	-01ZC	-A05 C61	-X
Basic unit						
S14L 1-axis left						
S14R 1-axis right						
Control-handle extended						
Standard 60 mm*						
S8 +20 mm						
*Only possible in combination with handle!						
Grip / palm grip						
Knob (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						

Identification of the installation variants with switching directions:



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

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		S14L	S8	T	-01ZC	-A05	C61	-X
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... (on request!)							

		S14L	S8	T	-01ZC	-A05	C61	-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							
Z	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		
		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/ 36-10			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...10V					
			More potentiometers on request!					
H	Hall-Potentiometer	E14811				0,5...2,5...5,4 V / 4,5...2,5...0,5 V		

		S14L	S8	T	-01ZC	-A05	C61	-X
Special model								
X	Special / customer specified							

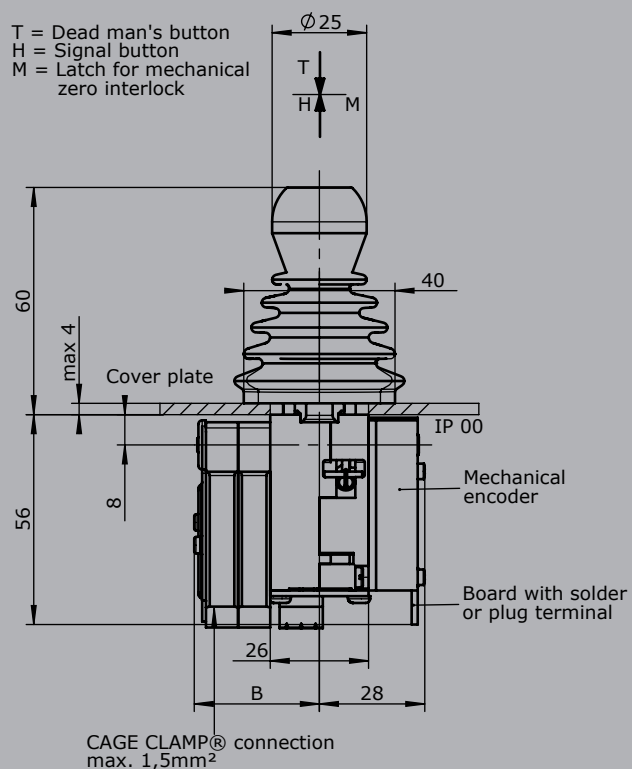
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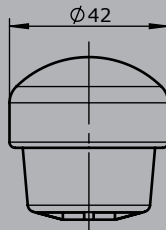
S14



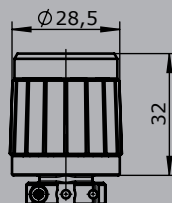
T = Dead man's button
H = Signal button
M = Latch for mechanical zero interlock



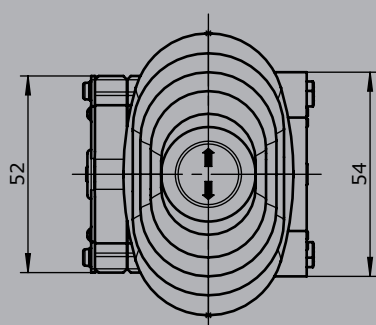
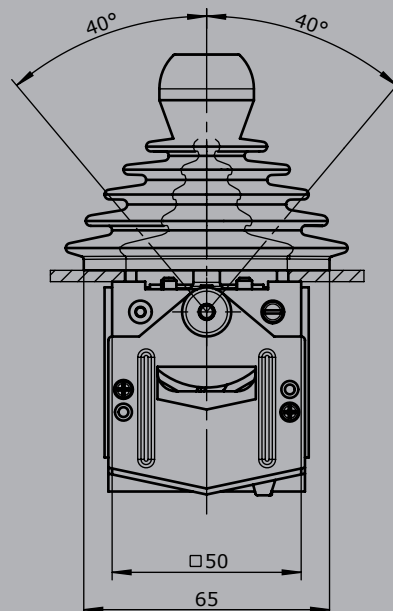
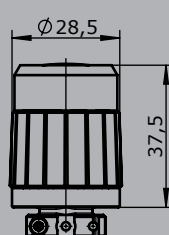
Knob solid GK for MN, MP



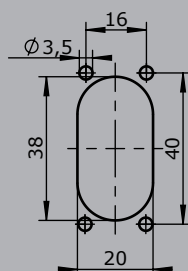
Twist grip



Twist grip with Push button



Hole pattern



Type	No. of contacts	Dim. B
01	2	24
02	4	33
03	6	42