

Single-axis controller S27



The single-axis controller S27 is a hall sensor switching device designed for electro-hydraulic and remote controlled hydraulic. The modular design of the switching device is universally applicable. The single-axis controller is resistant to oil, maritime conditions e.g. offshore /vessels, UV radiation typically from the sun.

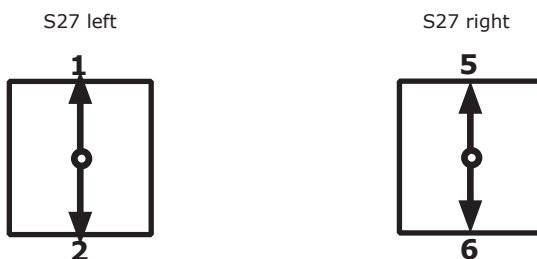
Technical data

Mechanical life S27	6 million operating cycles
Operating temperature	-40°C to +60°C
Storage temperature	-50°C to +80°C
Degree of protection	IP65, electronic assembly IP67



	S27L	M	Example - Z	- E...	- S...	- X
Basic unit	S27L left S27R right					
Grip / palm grip	Knob (standard) M Mechanical zero interlock Q T-grip					
	Z Spring return R Friction brake					
Interface (description on the following pages)	E0xx Digital output E1xx Voltage output E2xx Current output					
Plug connectors	S.. Standard plug connectors (see page 129)					
Special model	X Special / customer specific					

Identification of the installation variants with switching directions:



Digital Output

Supply voltage	9-32V DC		
Current carrying capacity	Direction signal 150mA Zero position signal 500mA		
Wiring	Cable 500mm long without plug connector		
	Optional with plug connector (<i>standard plug connectors see page 129</i>)		S
2 direction signals + 1 zero position signal (galvanically isolated) per axis		1 axis	E001 1

Voltage output (not stabilized)

Supply voltage	4,75-5,25V DC		
Current carrying capacity	Direction signal 8mA		
Wiring	Cable 500mm long without plug connector		
	Optional with plug connector (<i>standard plug connectors see page 129</i>)		S
0,5...2,5...4,5V redundant + 2 direction signals per axis		1 axis	E104 1
	Output options		
	Characteristic:		
	Inverse dual		1
	Dual		2
	Inverse dual with dead zone +/- 3°		3
	Dual with dead zone +/- 3°		4

Voltage output

Supply voltage	9-32V DC (*11,5-32V)		
Current carrying capacity	Direction signal 150mA Zero position signal 500mA		
Wiring	Cable 500mm long without plug connector		
	Optional with plug connector (<i>standard plug connectors see page 129</i>)		S
0,5...2,5...4,5V redundant + 2 direction signals + 1 zero position signal (galvanically isolated) per axis		1 axis	E112 1
0...5...10V redundant + 2 direction signals + 1 zero position signal (galvanically isolated) per axis, supply voltage 11,5 - 32V DC		1 axis	E132 1
10...0...10V + 2 direction signals + 1 zero position signal (galvanically isolated) per axis, supply voltage 11,5 - 32V DC, sensor redundant with error monitoring and error signal		1 axis	E136 1
	Output options		
	Characteristic:		
	Inverse dual *1		1
	Dual *1		2
	Inverse dual with dead zone +/- 3° *1		3
	Dual with dead zone +/- 3° *1		4
	*1 <i>not combinable with output E136X</i>		
	Single *2		5
	Single with dead zone *2		6
	*2 <i>not combinable with output E112X and E132X</i>		

Voltage output with other value on request!

Current output				
Supply voltage	9-32V DC			
Current carrying capacity	Direction signal 150mA			
	Zero position signal 500mA			
Wiring	Cable 500mm long without plug connector			
	Optional with plug connector (<i>standard plug connectors see page 129</i>)			S
0...10...20mA + 2 direction signals + 1 zero position signal (galvanically isolated) per axis, sensor redundant with error monitoring and error signal		1 axis	E206 1	
20...0...20mA + 2 direction signals + 1 zero position signal (galvanically isolated) per axis, sensor redundant with error monitoring and error signal		1 axis	E208 1	
4...12...20mA + 2 direction signals + 1 zero position signal (galvanically isolated) per axis, sensor redundant with error monitoring and error signal		1 axis	E214 1	
20...4...20mA + 2 direction signals + 1 zero position signal (galvanically isolated) per axis, sensor redundant with error monitoring and error signal		1 axis	E216 1	
		Output options		
		Single		5
		Single with dead zone +/-3°		6
<i>Current output with other value on request!</i>				

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M = Latch for mechanical zero interlock

