

The Thumbwheel S12 is designed for electro-hydraulic applications. Long life and high reliability is ensured by the latest contactless hall-technology. By the combination of different actuators, lighting options and colours you can customise the appearance.

Technical data

Mechanical life	5 million operating cycles
Operating temperature	-40°C to +85°C
Degree of protection	IP67
Functional safety	PLd compatible (EN ISO 13849, complies SIL2 to DIN EN IEC 61508)

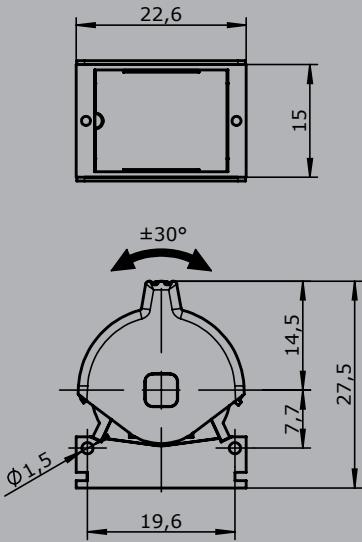


					Example						
					S12	- A	- 2	- 1	-1	-E1031	-X
Basic unit											
S12 Thumbwheel											
S12B Thumbwheel with actuator version B											
S12C Thumbwheel with actuator version C											
Mounting frame											
A With mounting frame											
Without mounting frame											
Illumination											
1 Unlighted											
2 Functional lighting 2-colour red-green (separate switchable) U_LED= 4,5 - 5,5 V*											
3 Functional lighting 2-colour white-red (separate switchable) U_LED= 4,5 - 5,5 V*											
4 Functional lighting 2-colour white-green (separate switchable) U_LED= 4,5 - 5,5 V*											
*Not possible with S12B and S12C!											
Actuator colour											
		S12	S12B	S12C							
1	Black	✓	✓	✓							
2	Grey	✓									
3	Blue	✓									
4	Red	✓		✓							
5	Yellow	✓									
6	Orange	✓		✓							
7	Green	✓		✓							

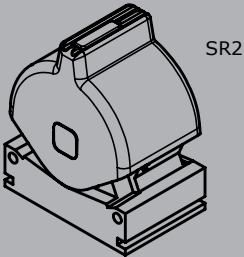
Technical details may vary based on configuration or application! Technical data subject to change without notice!

	S12	- A	- 2	- 1	-1	-E1031	-X
Mechanical function							
1	T-0-T						
2	R-0-R* ¹						
3	T-0-R* ¹						
4	R-0-T* ¹						
5	R-R* ¹						
6	R-R-0-R-R*						
*Not possible with S12B and S12C!							
* ¹ Not possible with S12B!							
Interface							
0,5...2,5...4,5 V redundant by Ub= 5 V						E103 1	
0,5...2,5...4,5 V redundant + 2 direction signals by Ub= 5 V						E104 1	
						Output option inverse dual	1
						Output option dual	2
SPI - Interface on request							
Special model							
X	Special / customer specified						

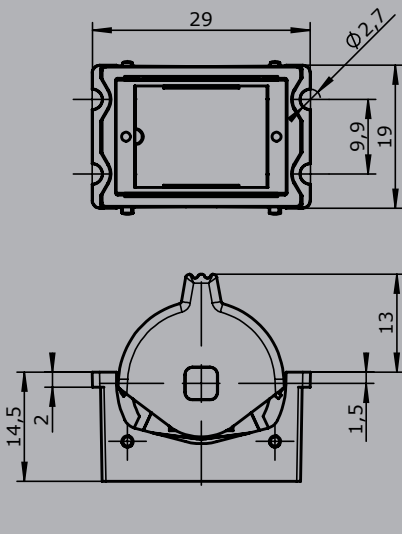
S12 without mountig frame
Version A



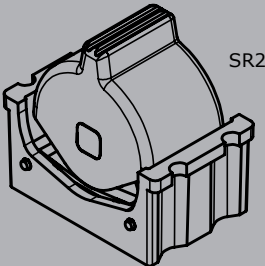
S12 with LED
SR1



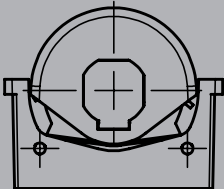
S12 with mounting frame
Version A



S12 without LED
SR1



Version B
with actuator KBAD 1731



Version C
with actuator KBAD 1858

