

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.



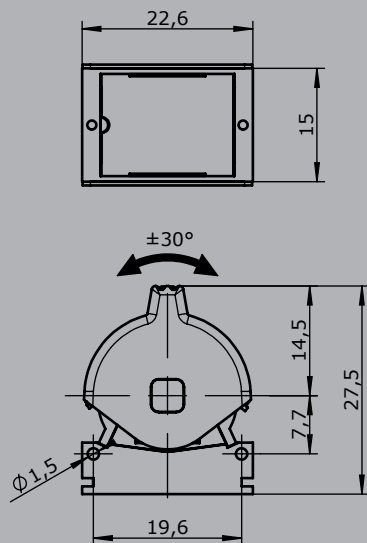
Technical data

Mechanical life S12	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)

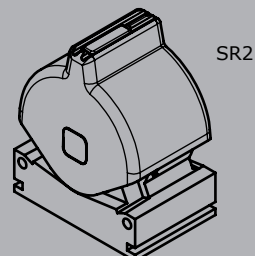
	S12	Example - A	- 2	- 1	- 1	-E1031	-X
Basic unit							
S12 Thumbwheel S12							
S12B Thumbwheel S12 with mounting frame form B							
S12C Thumbwheel S12 with mounting frame form C							
Mounting frame							
A with mounting frame							
without mounting frame							
Illumination							
1 Unlighted							
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							
1 Black							
2 Grey*							
3 Blue*							
4 Red*							
5 Yellow*							
6 Orange*							
*not possible with S12B and S12C!							
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						E1031	
						Output option inverse dual	1
						Output option dual	2
Special model							
X Special / customer specified							

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

S12 without mounting frame
Version A

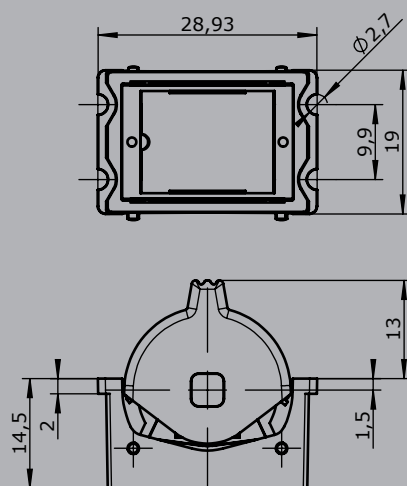


S12 with LED
SR1

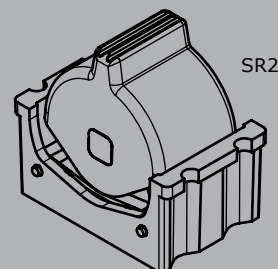


SR2

S12 with mounting frame
Version A

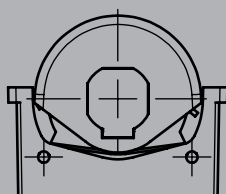


S12 without LED
SR1



SR2

Version B
with actuator KBAD 1731



Version C
with actuator KBAD 1858

