

EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, with lock BKS, lock number S1, positive latching, acc. to EN ISO 13850, key-operated release, Z=50-unit packaging



Product brand name	SIRIUS ACT
Product designation	EMERGENCY STOP mushroom pushbuttons
Design of the product	Actuating/signaling element
Product type designation	3SU1
Product line	Metal, shiny, 22 mm





Enclosure	
Number of command points	1

Actuator	
Design of the operating mechanism	positive latching
Manner of function of the actuating element	latching
Product extension optional Light source	No
Color	
• of the actuating element	red
Material of the actuating element	plastic
Shape of the actuating element	round
Outer diameter of the actuating element	40 mm
Type of unlocking device	Unlocking
Number of switching positions	2
Switch position for key distraction	O


Lock make	BCS
Key number	S1
Front ring	
Product component front ring	No
General technical data	
Product function	
• positive opening	Yes
• EMERGENCY OFF function	Yes
• EMERGENCY STOP function	Yes
Protection class IP	IP66, IP67, IP69(IP69K)
Degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
Operating frequency maximum	600 1/h
Mechanical service life (switching cycles)	
• typical	300 000
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	S
Safety related data	
B10 value	
• with high demand rate acc. to SN 31920	100 000
Proportion of dangerous failures	
• with low demand rate acc. to SN 31920	20 %
• with high demand rate acc. to SN 31920	20 %
Failure rate [FIT]	
• with low demand rate acc. to SN 31920	100 FIT
T1 value for proof test interval or service life acc. to IEC 61508	20 y
Ambient conditions	
Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %)
Installation/ mounting/ dimensions	
Shape of the installation opening	round
Mounting diameter	22.3 mm
Positive tolerance of installation diameter	0.4 mm
Mounting height	81.3 mm

Installation width	40 mm
Installation depth	26.3 mm

Certificates/ approvals

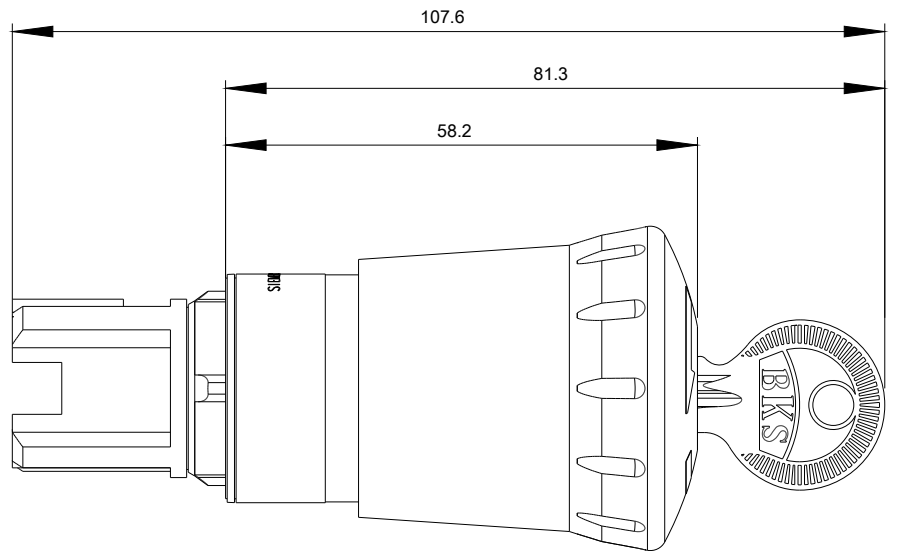
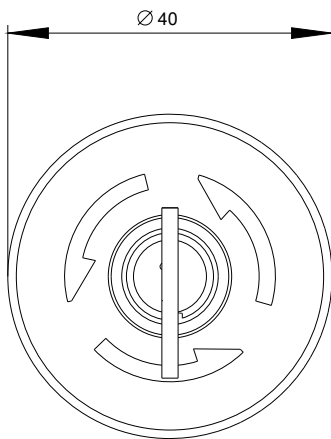
General Product Approval	Declaration of Conformity	Test Certificates
 CSA	 UL	
	 EG-Konf.	Miscellaneous Type Test Certificates/Test Report

Test Certificates	Marine / Shipping
Special Test Certificate	 ABS
	 LRS
	 PRS
	 RINA
	 RMRS

Marine / Shipping	other
 DNV-GL DNVGL.COM/AF	Confirmation

Further information

- Information- and Downloadcenter (Catalogs, Brochures,...)**
<https://www.siemens.com/ic10>
- Industry Mall (Online ordering system)**
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-1HK20-0AA0-Z X90>
- Cax online generator**
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-1HK20-0AA0-Z X90>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1HK20-0AA0-Z X90>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-1HK20-0AA0-Z X90&lang=en



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