

EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch, with laser labeling, upper case and lower case, always upper case at beginning of line



Product brand name	SIRIUS ACT
Product designation	EMERGENCY STOP mushroom pushbuttons
Design of the product	Actuating/signaling element
Product type designation	3SU1
Product line	Plastic, black, 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
Marking of the actuating element	Any inscription, text in upper/lower case, every line begins with upper case letter
Type of unlocking device	rotate-to-unlatch mechanism

Number of switching positions	2
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Front ring

Product component front ring	No
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General technical data

Product function	
<ul style="list-style-type: none"> • positive opening • EMERGENCY OFF function • EMERGENCY STOP function 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
Protection class IP	IP66, IP67, IP69(IP69K)
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 	<p>Sinusoidal half-wave 50 g / 11 ms</p> <p>Category 1, Class B</p>
Vibration resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 	<p>10 ... 500 Hz: 5g</p> <p>Category 1, Class B</p>
Operating frequency maximum	600 1/h
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 	100 000
Proportion of dangerous failures	
<ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 	<p>20 %</p> <p>20 %</p>
Failure rate [FIT]	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • during operation • during storage 	<p>-25 ... +70 °C</p> <p>-40 ... +80 °C</p>
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	45.3 mm
Installation width	40 mm
Installation depth	26.3 mm

Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
 CSA  UL  EAC  CE 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=3SU1000-1HB20-0AA0-Z Y10>
- Cax online generator**
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1HB20-0AA0-Z Y10>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1HB20-0AA0-Z Y10>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1HB20-0AA0-Z Y10&lang=en

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