



EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, plastic, red, 30 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch

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 actuating element	positive latching
principle of operation of the actuating element	latching
product extension optional	
• light source	Yes
• contact module	Yes
color	
• of the actuating element	red
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	33.8 mm
type of unlocking device	rotate-to-unlatch mechanism
number of switching positions	2
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	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
operating frequency maximum	600 1/h
mechanical service life (operating cycles) typical	300 000

reference code according to IEC 81346-2	S				
Substance Prohibittance (Date)	10/01/2014				
Weight	46 g				
Safety related data					
product function suitable for safety function	Yes				
service life maximum	20 a				
test wear-related service life necessary	Yes				
proportion of dangerous failures					
• with low demand rate according to SN 31920	20 %				
• with high demand rate according to SN 31920	20 %				
B10 value with high demand rate according to SN 31920	100 000				
failure rate [FIT] with low demand rate according to SN 31920	100 FIT				
ISO 13849					
device type according to ISO 13849-1	3				
IEC 61508					
safety device type according to IEC 61508-2	Type A				
T1 value for proof test interval or service life according to IEC 61508	20 a				
Ambient conditions					
ambient temperature					
• during operation	-25 ... +70 °C				
• during storage	-40 ... +80 °C				
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%)				
Environmental footprint					
Environmental Product Declaration (EPD)	Yes				
global warming potential [CO2 eq] total	0.787 kg				
global warming potential [CO2 eq] during manufacturing	0.566 kg				
global warming potential [CO2 eq] during operation	0.235 kg				
global warming potential [CO2 eq] after end of life	-0.015 kg				
Siemens Eco Profile (SEP)	Siemens EcoTech				
Installation/ mounting/ dimensions					
shape of the installation opening	round				
mounting diameter	22.3 mm				
positive tolerance of installation diameter	0.4 mm				
mounting height	44.2 mm				
installation width	33.8 mm				
installation depth	26.3 mm				
Approvals Certificates					
<table> <tr> <th>General Product Approval</th><th>Test Certificates</th></tr> <tr> <td>      </td><td> Special Test Certificate </td></tr> </table>		General Product Approval	Test Certificates	    	Special Test Certificate
General Product Approval	Test Certificates				
    	Special Test Certificate				

[Special Test Certificate](#)

Test Certificates	other	Environment
Type Test Certificates/Test Report	Confirmation	  

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

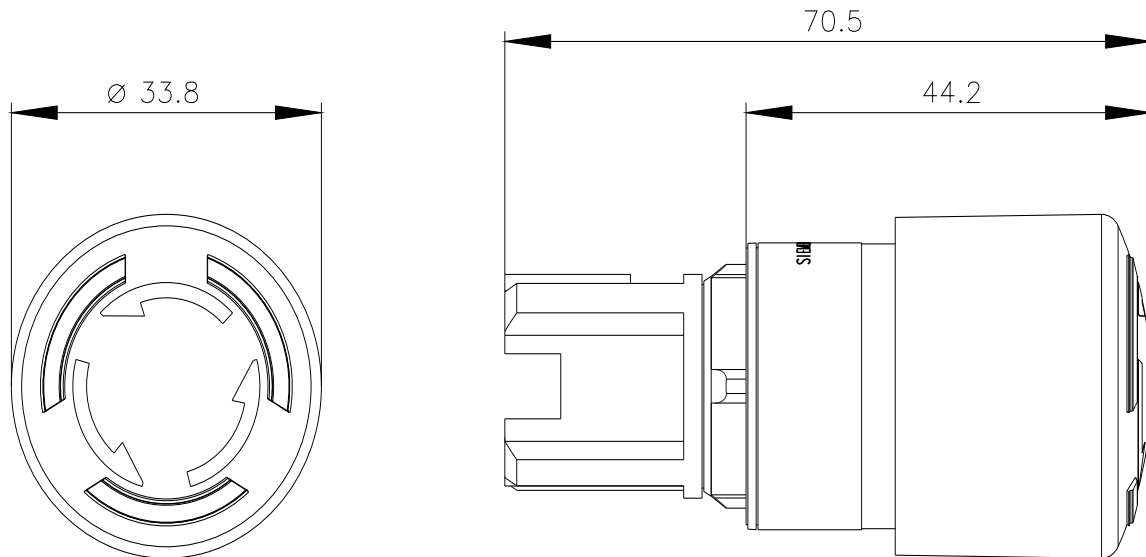
<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1001-1GB20-0AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-1GB20-0AA0>



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