

EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, metal, shiny, 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	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	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	
<ul style="list-style-type: none"> • positive opening • EMERGENCY OFF function • EMERGENCY STOP function 	Yes Yes Yes
Protection class IP	IP66, IP67, IP69(IP69K)
Degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 	Sinusoidal half-wave 50 g / 11 ms
Vibration resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-6 	10 ... 500 Hz: 5g
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 	20 % 20 %
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 	-25 ... +70 °C -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	44.2 mm
Installation width	33.8 mm
Installation depth	26.3 mm

Certificates/ approvals

General Product Approval



CSA



UL



VDE



EG-Konf.

[Miscellaneous](#)

Test Certificates

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



ABS



LRS



PRS



RINA

Marine / Shipping

Marine / Shipping

other

[Confirmation](#)



RMRS



DNVGL.COM/AF

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=3SU1051-1GB20-0AA0>

Cax online generator

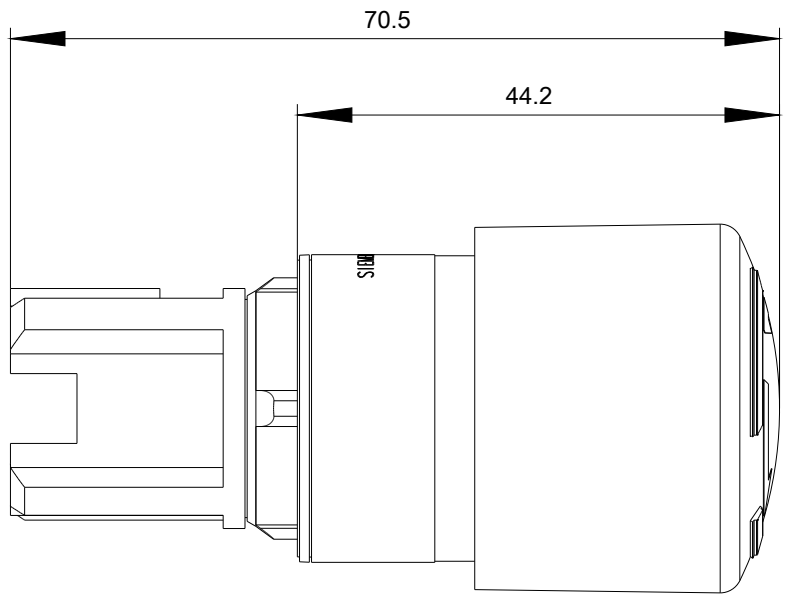
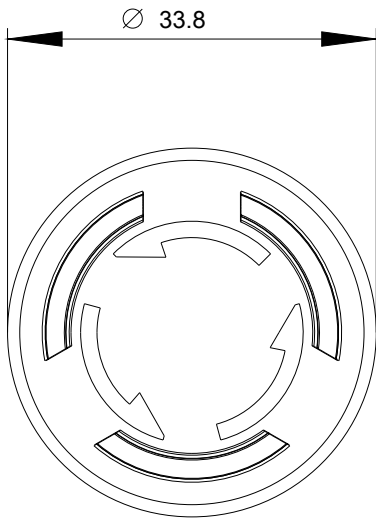
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1051-1GB20-0AA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1051-1GB20-0AA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1051-1GB20-0AA0&lang=en



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02/22/2020