

EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, with RONIS lock, lock number 455, positive latching, acc. to EN ISO 13850, key-operated release

Product brand name	SIRIUS ACT
Product designation	EMERGENCY STOP mushroom pushbuttons
Design of the product	Actuating/signaling element
Product type designation	3SU1

Enclosure

Number of command points	1
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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	RONIS
Key number	455

Front ring

Product component front ring	No
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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	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g

<ul style="list-style-type: none"> • for railway applications acc. to DIN EN 61373 	Category 1, Class B
Operating frequency maximum	600 1/h
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> • typical 	300 000

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 	20 %
<ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 	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 	-25 ... +70 °C
<ul style="list-style-type: none"> • 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	67.1 mm
Installation width	40 mm
Installation depth	26.3 mm

Certificates/approvals

General Product Approval				Declaration of Conformity	Test Certificates
 CSA	 UL	 VDE		 EG-Konf.	Special Test Certificate

Test Certificates	other
Type Test Certificates/Test Report	Confirmation

Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1000-1HG20-0AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1HG20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1HG20-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1HG20-0AA0&lang=en

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