



EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, metal, shiny, red, 30 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, Washer for emergency stop, yellow, without inscription: with holder, 1 NC, without LED module, spring-loaded terminal, front plate mounting

product brand name	SIRIUS ACT
product designation	EMERGENCY STOP mushroom pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Metal, shiny, 22 mm
manufacturer's article number	
<ul style="list-style-type: none"> • of supplied contact module at position 1 • of the supplied holder • of the supplied actuator • of supplied accessory 	3SU1400-1AA10-3CA0 3SU1550-0AA10-0AA0 3SU1051-1GB20-0AA0 3SU1900-0BN31-0AA0
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
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
number of contact modules	1
type of unlocking device	rotate-to-unlatch mechanism
Front ring	
product component front ring	No
Holder	
material of the holder	Plastic
Display	
number of LED modules	0
General technical data	
product function	
<ul style="list-style-type: none"> • positive opening • EMERGENCY OFF function • EMERGENCY STOP function 	Yes Yes Yes
product component light source	No
insulation voltage rated value	500 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
surge voltage resistance rated value	6 kV
protection class IP	IP66, IP67, IP69(IP69K)

<ul style="list-style-type: none"> of the terminal 	IP20
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 50g / 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) typical	300 000
electrical endurance (switching cycles) typical	300 000
thermal current	10 A
reference code acc. to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	01.10.2014 00:00:00
operating voltage	
<ul style="list-style-type: none"> at AC <ul style="list-style-type: none"> at 50 Hz rated value at 60 Hz rated value at DC rated value 	5 ... 500 V 5 ... 500 V 5 ... 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	0
Connections/ Terminals	
type of electrical connection	
<ul style="list-style-type: none"> of modules and accessories 	Spring-type terminal
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> solid without core end processing finely stranded with core end processing finely stranded without core end processing at AWG cables 	2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 0.75 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (24 ... 16)
tightening torque of the screws in the bracket	1 ... 1.2 N·m
Safety related data	
B10 value 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] 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 %, no condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions	
fastening method	
<ul style="list-style-type: none"> of modules and accessories 	front panel mounting Front plate mounting
height	40 mm
width	30 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	46.4 mm
installation width	60 mm

installation depth	48.6 mm
Accessories	
number of backing plates	1
marking of backing plate	none
color of backing plate	Yellow

Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
  	UK Declaration of Conformity	 EG-Konf. Type Test Certificates/Test Report

Marine / Shipping other

    	Confirmation
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Further information

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

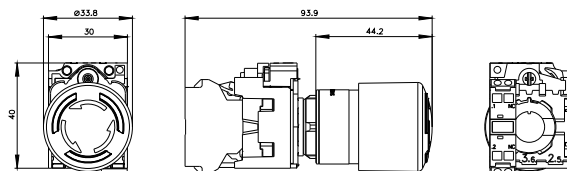
<https://www.siemens.com/ic10>
- Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1151-1GB20-3CW0>
- Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1151-1GB20-3CW0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1151-1GB20-3CW0>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1151-1GB20-3CW0&lang=en



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