SIEMENS

Data sheet 3SU1152-1GB20-3PW0

EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, metal, shiny, red, 30 mm, positive latching, according to DIN EN ISO 13850, rotate-to-unlatch, washer for EMERGENCY STOP, yellow, without inscription, with holder, 1 NC, 1 NC, LED module 24 V red, 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	
● of supplied contact module at position 1	3SU1400-1AA10-3CA0
● of supplied contact module at position 2	3SU1400-1AA10-3CA0
● of supplied LED module	3SU1401-1BB20-3AA0
● of the supplied holder	3SU1550-0AA10-0AA0
● of the supplied actuator	3SU1051-1GB20-0AA0
● of supplied accessory	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	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	33.8 mm
number of contact modules	2
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	1
General technical data	
product function	
● positive opening	Yes
● EMERGENCY OFF function	Yes
● EMERGENCY STOP function	Yes
product component light source	Yes
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)
● of the terminal	IP20
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
vibration resistance	
● according 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 according 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)	10/01/2014
operating voltage	
● at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
● at DC rated value	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)
Supply voltage	
type of voltage of the supply voltage of the light source	AC/DC
supply voltage of the light source at AC	
● at 60 Hz rated value	24 ... 24 V
supply voltage of the light source at DC	
● rated value	24 ... 24 V
Control circuit/ Control	
inrush current of LED module maximum	3 A
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	0
Connections/ Terminals	
type of electrical connection	
● of modules and accessories	Spring-type terminal
type of connectable conductor cross-sections	
● solid without core end processing	2x (0.25 ... 1.5 mm²)
● finely stranded with core end processing	2x (0.25 ... 0.75 mm²)
● finely stranded without core end processing	2x (0.25 ... 1.5 mm²)
● at AWG cables	2x (24 ... 16)
tightening torque of the screws in the bracket	1 ... 1.2 N·m
Lamp	
type of light source	LED
color of the light source	red
Safety related data	
B10 value with high demand rate according to SN 31920	100 000
proportion of dangerous failures	
● with low demand rate according to SN 31920	20 %
● with high demand rate according to SN 31920	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
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%, no condensation in operation permitted for all devices behind front panel)

Installation/ mounting/ dimensions	
fastening method	front plate mounting
● of modules and accessories	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

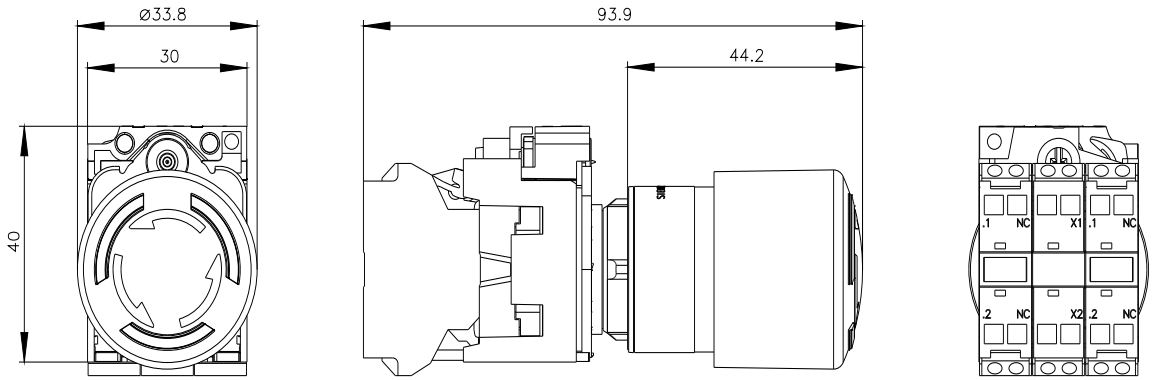
General Product Approval					Declaration of Conformity
CSA	CCC	Confirmation	UL	EAC	CE EG-Konf.

Declaration of Conformity	Test Certificates		Marine / Shipping		
UKCA	Special Test Certificate	Type Test Certificates/Test Report	ABS	Lloyd's Register LRS	PRS

Marine / Shipping		other	
RINA	RMRS	Confirmation	Environmental Confirmations

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=3SU1152-1GB20-3PW0
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-1GB20-3PW0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1152-1GB20-3PW0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1152-1GB20-3PW0&lang=en



last modified: 1/27/2022