SIEMENS

Data sheet

3SU1150-1GB20-3PW0



EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 30 mm, positive latching, according to DIN EN ISO 13850, rotate-to-unlatch, washer for EMERGENCY STOP, yellow, 60 mm, without inscription, with holder, 1 NC, 1 NC, spring-loaded terminal, front plate mounting

product designation design of the product product type designation product line Metal, shiny, 22 mm manufacturer's article number of supplied contact module at position 1 of supplied contact module at position 2 of the supplied holder of the supplied actuator of supplied accustor of supplied accustor of supplied accustor of the supplied accustor of supplied accustor accustor design of the actuating element principle of operation of the actuating element latching		
product line manufacturer's article number of supplied contact module at position 1 of the supplied holder of the supplied actuator of supplied accessory Sulfacturer's article number assulfacturer's article number of supplied contact module at position 2 assulfacturer's article number assulfacturer's article number assulfacturer's article number assulfacturer's article number assulfacturery assu		
product line manufacturer's article number of supplied contact module at position 1 of supplied contact module at position 2 of the supplied holder of the supplied actuator of supplied accessory Sul1400-1AA10-3CA0 3SU1400-1AA10-3CA0 3SU1400-1AA10-3CA0 3SU1550-0AA10-0AA0 3SU1550-0AA10-0AA0 of the supplied accuator 3SU1050-1GB20-0AA0 of supplied accessory Sul1900-0BN31-0AA0 Enclosure number of command points 1 Actuator design of the actuating element positive latching		
manufacturer's article number of supplied contact module at position 1 of supplied contact module at position 2 of the supplied holder of the supplied actuator of supplied accessory sulfactuator assulfacturer's article number 3sulfacturer's art		
 of supplied contact module at position 1 of supplied contact module at position 2 of the supplied holder of the supplied actuator of supplied accessory asu1550-0AA10-0AA0 of supplied accessory asu1050-1GB20-0AA0 of supplied accessory asu1900-0BN31-0AA0 Enclosure number of command points Actuator design of the actuating element positive latching 		
 of supplied contact module at position 2 of the supplied holder of the supplied actuator of supplied accessory asu1550-0AA10-0AA0 of supplied accessory asu1900-0BN31-0AA0 Enclosure number of command points Actuator design of the actuating element positive latching 		
 of the supplied holder of the supplied actuator of supplied accessory asu1050-1GB20-0AA0 of supplied accessory asu1900-0BN31-0AA0 Enclosure number of command points Actuator design of the actuating element positive latching 		
 of the supplied actuator of supplied accessory 3SU1050-1GB20-0AA0 SSU1000-0BN31-0AA0 Enclosure number of command points Actuator design of the actuating element positive latching 		
● of supplied accessory Enclosure number of command points 1 Actuator design of the actuating element positive latching		
Enclosure number of command points 1 Actuator design of the actuating element positive latching		
number of command points 1 Actuator design of the actuating element positive latching		
Actuator design of the actuating element positive latching		
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 0		
General technical data		
product function		
• positive opening Yes		
EMERGENCY OFF function Yes		
EMERGENCY STOP function 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)
of the terminal	IP20
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
• acc. to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	
• 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
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
oontaot ronasmey	million (5 V, 1 mA)
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	Spring type terminal
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
Safety related data	1 1.2 14 111
B10 value with high demand rate acc. to SN 31920	100 000
proportion of dangerous failures	100 000
with low demand rate acc. to SN 31920	20 %
with ligh demand rate acc. to SN 31920 with high demand rate acc. to SN 31920	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	
during operation	-25 +70 °C
during operation during storage	-40 +80 °C
environmental category during operation acc. to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
60721	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 mounting height	0.4 mm 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	
Contification		

Certificates/ approvals

General Product Approval

Declaration of Conformity









UK Declaration of Conformity



Test Certificates

Marine / Shipping

other

Special Test Certific-<u>ate</u>







Confirmation

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=3SU1150-1GB20-3PW0

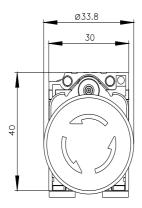
Cax online generator

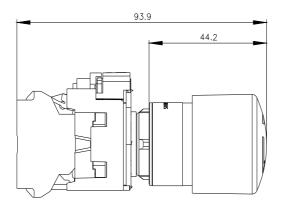
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-1GB20-3PW0

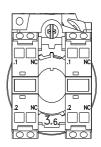
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

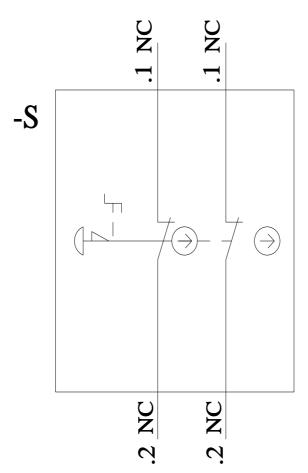
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-1GB20-3PW0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-1GB20-3PW0&lang=en









last modified:

1/27/2022 🗗