## SIEMENS

## Data sheet

## 3SU1150-1HA20-1CG0



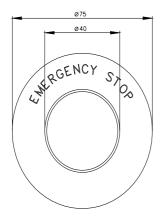
EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, positive latching, acc. to EN ISO 13850, pull-to-unlatch mechanism, with yellow backing plate, inscription: EMERGENCY STOP, with holder, 1 NC, screw terminal

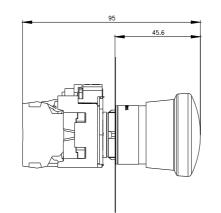
product brand name	SIRIUS ACT		
product designation	EMERGENCY STOP mushroom pushbuttons		
design of the product	Complete unit		
product type designation	3SU1		
product line	Metal, shiny, 22 mm		
manufacturer's article number			
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1CA0</u>		
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>		
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1050-1HA20-0AA0</u>		
<ul> <li>of supplied accessory</li> </ul>	<u>3SU1900-0BC31-0DA0</u>		
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	40 mm		
number of contact modules	1		
type of unlocking device	pull-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		
<ul> <li>EMERGENCY OFF function</li> </ul>	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				
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms			
vibration resistance				
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g			
operating frequency maximum	600 1/h			
mechanical service life (operating cycles) typical	300 000			
electrical endurance (operating 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				
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				
	One relevantion per 100 million $(47.)/(5 m \Lambda)$ and relevantion per 40 million			
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	0			
type of electrical connection	Occurs have to review t			
of modules and accessories	Screw-type terminal			
type of connectable conductor cross-sections				
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm <sup>2</sup> )			
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)			
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm²)			
for AWG cables	2x (18 14)			
tightening torque of the screws in the bracket	1 1.2 N·m			
tightening torque for auxiliary contacts with screw-type terminals	0.8 0.9 N·m			
Safety related data				
proportion of dangerous failures				
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %			
with high demand rate according to SN 31920	20 %			
failure rate [FIT] with low demand rate according to SN	100 FIT			
31920				
B10 value with high demand rate according to SN 31920	100 000			
IEC 62061				
T1 value for proof test interval or service life according to	20 a			
IEC 61508				
Ambient conditions				
ambient temperature				
<ul> <li>during operation</li> </ul>	-25 +70 °C			
during storage	-40 +80 °C			
environmental category during operation according 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)			
Environmental footprint				
Environmental Product Declaration(EPD)	Yes			
Global Warming Potential [CO2 eq] total	0.593 kg			
Global Warming Potential [CO2 eq] during manufacturing	0.625 kg			
Global Warming Potential [CO2 eq] during operation	0.235 kg			
Global Warming Potential [CO2 eq] after end of life	-0.267 kg			
Installation/ mounting/ dimensions				
fastening method	front plate mounting			

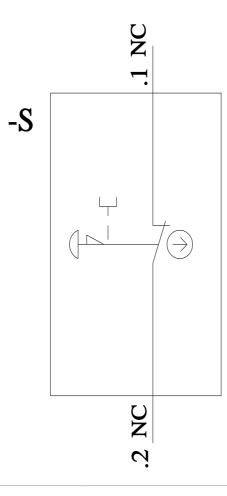
<ul> <li>of modules and a</li> </ul>	accessories	From	t plate mounting				
height			Front plate mounting 40 mm				
width			30 mm				
shape of the installati	on opening	roun	round				
mounting diameter		22.3	22.3 mm				
positive tolerance of i	nstallation diameter	0.4 n	0.4 mm				
mounting height			46.4 mm				
installation width			75 mm				
installation depth		48.6	48.6 mm				
Accessories							
number of backing pla	ates	1					
marking of backing pl		EME	EMERGENCY STOP				
color of backing plate		Yello	Yellow				
Approvals Certificates							
General Product App	roval						
oonoran noudor top							
() E	CE EG-Konf.	UK CA	<u>Confirmation</u>				
General Product Approval	Test Certificates		Marine / Shipping				
EHC	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloyd's Register us	PRS		
Marine / Shipping	other						
RINA	<u>Confirmation</u>						
Further information							
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https://www.siemens.co	ordering system)						
Cax online generator http://support.automatic	on.siemens.com/WW/CA> nuals, Certificates, Char		en&mlfb=3SU1150-1HA2	<u>0-1CG0</u>			

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-1HA20-1CG0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-1HA20-1CG0&lang=en</a>









## last modified:

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