SIEMENS

Data sheet

3SU1150-1HA20-3CH0



EMERGENCY STOP mushroom-type actuator, 22 mm, round, metal, shiny, red, 40 mm, positive latching, according to EN ISO 13850, pull-to-unlatch mechanism, with yellow backing plate, inscription: NOT-HALT, with holder, 1 NC, spring-type 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			
 of supplied contact module at position 1 	<u>3SU1400-1AA10-3CA0</u>		
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>		
 of the supplied actuator 	<u>3SU1050-1HA20-0AA0</u>		
 of supplied accessory 	<u>3SU1900-0BC31-0AT0</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		
 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				
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 (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	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)			
Auxiliary circuit	01 1			
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				
of modules and accessories	Spring-type terminal			
type of connectable conductor cross-sections				
 solid without core end processing 	2x (0.25 1.5 mm ²)			
 finely stranded with core end processing 	2x (0.25 0.75 mm²)			
 finely stranded without core end processing 	2x (0.25 1.5 mm²)			
• for AWG cables	2x (24 16)			
tightening torque of the screws in the bracket	1 1.2 N·m			
Safety related data				
proportion of dangerous failures	20 1/			
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			
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				
 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)			
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 manuacturing Global Warming Potential [CO2 eq] during operation	0.235 kg			
Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	-0.267 kg			
Installation/ mounting/ dimensions				
fastening method	front plate mounting			
of modules and accessories	Front plate mounting			
height	40 mm			
nongin				

width		30 m				
shape of the installation	on opening	roun	-			
mounting diameter		22.3	mm			
positive tolerance of i	nstallation diameter	0.4 n	nm			
mounting height		46.4	mm			
installation width		75 m	m			
installation depth		48.6	mm			
Accessories						
number of backing pla	ates	1				
marking of backing pl	ate	EME	RGENCY-STOP			
color of backing plate		Yello	W			
Approvals Certificates						
General Product App	oval				Declaration of Con- formity	
SP	<u>Confirmation</u>			EAC	CE EG-Konf.	
Declaration of Con- formity	Test Certificates		Marine / Shipping			
UK CA	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	Lloyd's Register LRS	PRS	
Marine / Shipping	other	Environment				
RINA	<u>Confirmation</u>	Environmental Con- firmations				
	to exit the Russian mark					
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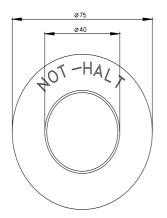
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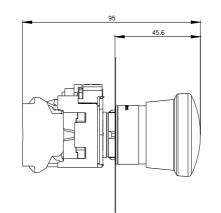
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

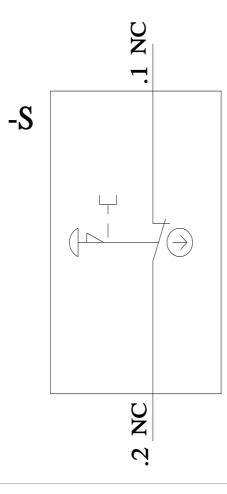
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-1HA20-3CH0&lang=en









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