SIEMENS

Data sheet

3SU1150-1HB20-1FG0



EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: EMERGENCY STOP, with holder, 1 NO+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				
 of supplied contact module at position 1 	<u>3SU1400-1AA10-1FA0</u>			
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>			
 of the supplied actuator 	<u>3SU1050-1HB20-0AA0</u>			
 of supplied accessory 	<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	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, clamping screw tightened			

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			
contact renability	(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	1			
Connections/ Terminals				
type of electrical connection				
of modules and accessories	Screw-type terminal			
type of connectable conductor cross-sections	Sciew-type terminar			
	$2x (0.5 - 0.75 \text{ mm}^2)$			
solid with core end processing	2x (0.5 0.75 mm ²)			
 solid without core end processing finely stranded with core end processing 	2x (1.0 1.5 mm ²)			
	2x (0.5 1.5 mm ²)			
finely stranded without core end processing	2x (1,0 1,5 mm ²)			
• 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				
 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				
	20.0			
T1 value for proof test interval or service life according to IEC 61508	20 a			
Ambient conditions				
ambient temperature				
during operation	-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			
Recoming motion	non plate mounting			

 of modules and a 	ccessories	Front	plate mounting			
height		40 m				
width		30 m	30 mm			
shape of the installation	on opening	round	I			
mounting diameter		22.3	22.3 mm			
positive tolerance of ir	stallation diameter	0.4 m	m			
mounting height		46.4	nm			
installation width		75 m	75 mm			
installation depth		70.6	70.6 mm			
ccessories						
number of backing pla	tes	1				
marking of backing pla	ate	EME	EMERGENCY STOP			
color of backing plate		Yello	N			
pprovals Certificates						
(SP)	CE EG-Konf.	UK CA	CCC	<u>Confirmation</u>	(hr)	
General Product Approval	Test Certificates		Marine / Shipping			
EHC	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	Lloyds Register urs	PRS	
Marine / Shipping	other	Environment				
RINA	<u>Confirmation</u>	EPD Typ II/III (with life cylce assessment)				
	to exit the Russian mar	ket (see here). e/siemens-wind-down-rus:	sian-business			
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Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

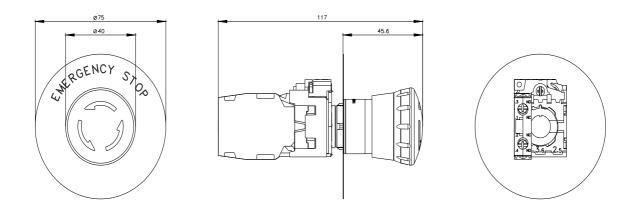
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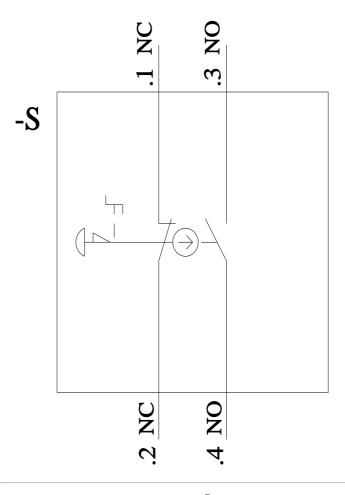
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-1HB20-1FG0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-1HB20-1FG0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-1HB20-1FG0&lang=en





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