SIEMENS

Data sheet

3SU1150-1HB20-1CH0



EMERGENCY STOP mushroom-type actuator, 22 mm, round, metal, shiny, red, 40 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: NOT-HALT, 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				
 of supplied contact module at position 1 	<u>3SU1400-1AA10-1CA0</u>			
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>			
 of the supplied actuator 	<u>3SU1050-1HB20-0AA0</u>			
 of supplied accessory 	<u>3SU1900-0BC31-0AT0</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	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	
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	
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 	Screw-type terminal
type of connectable conductor cross-sections	
 solid with core end processing 	2x (0.5 0.75 mm²)
solid without core end processing	2x (1.0 1.5 mm ²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
 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	
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	75 mm
installation depth	48.6 mm
Accessories	

number of backing pla	ates	1			
marking of backing pl	late	EME	RGENCY-STOP		
color of backing plate)	Yello	W		
ertificates/ approvals					
General Product App	roval				Declaration of Con formity
(SP)	<u>Confirmation</u>			EHC	UK CA
Declaration of Con- formity	Test Certificates		Marine / Shipping		
CE EG-Konf.	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloyds Register urs	PRS
Marine / Shipping	other	Environment			
RINA	Confirmation	Environmental Con- firmations			

Further information

Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). 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) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-1HB20-1CH0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-1HB20-1CH0

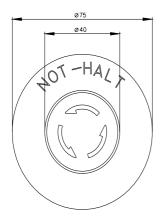
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-1HB20-1CH0

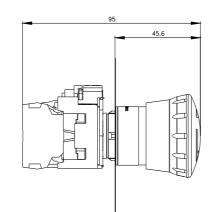
Siemens has decided to exit the Russian market (see here).

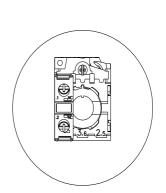
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

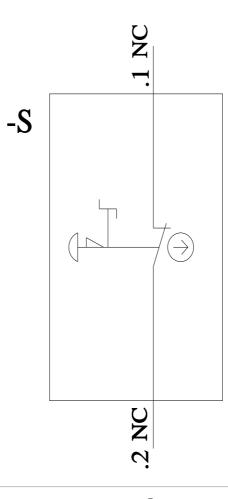
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-1HB20-1CH0&lang=en









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