## SIEMENS

## Data sheet

## 3SU1150-1HA20-1FJ0



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: Arrêt d'urgence, 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	
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1FA0</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>3SU1900-0BC31-0GQ0</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	
<ul> <li>positive opening</li> </ul>	Yes
<ul> <li>EMERGENCY OFF function</li> </ul>	Yes
<ul> <li>EMERGENCY STOP function</li> </ul>	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	
<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	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	Carou tupo terminol
	Screw-type terminal
type of connectable conductor cross-sections	0 (0.5
solid with core end processing	2x (0.5 0.75 mm <sup>2</sup> )
solid without core end processing	2x (1.0 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm <sup>2</sup> )
<ul> <li>for AWG cables</li> </ul>	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 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	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	
	20.2
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
	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	Fre	ont plate mounting		
height		40	mm		
width		30	mm		
shape of the installation	on opening	rou	ind		
mounting diameter		22	3 mm		
positive tolerance of i	nstallation diameter	0.4	mm		
mounting height		46	4 mm		
installation width		75	mm		
installation depth		70	.6 mm		
Accessories					
number of backing plates		1			
marking of backing pl	ate	AF	RET D'URGENCE		
color of backing plate		Ye	llow		
Approvals Certificates					
General Product App	roval				Declaration of Con- formity
(SP)	CCC CCC	<u>Confirmation</u>	(UL) III	EAC	UK CA
Declaration of Con- formity	CCC Test Certificates	<u>Confirmation</u>	UL UL	EAC	UK CA
	CCC Test Certificates Special Test Certific- ate	Confirmation	Marine / Shipping	<b>Liovds</b> Register Lirs	
formity	Special Test Certific-	Type Test Certific-		Efficiency of the second secon	UK CA

## Further information

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

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

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=3SU1150-1HA20-1FJ0

Cax online generator

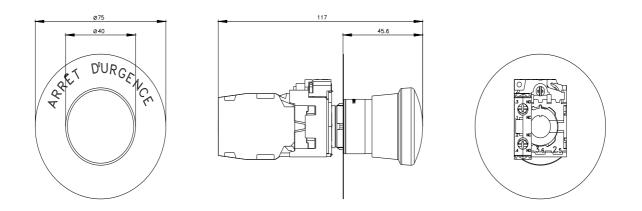
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-1HA20-1FJ0

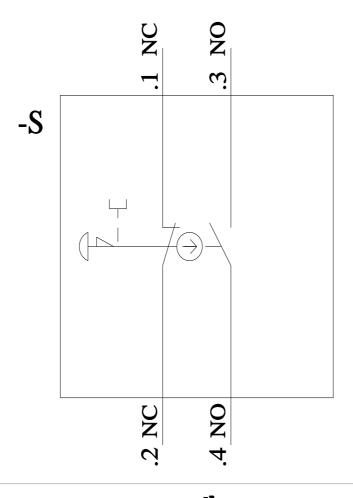
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-1HA20-1FJ0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-1HA20-1FJ0&lang=en





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