SIEMENS

Data sheet

3SU1150-1HA20-1FH0



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 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 	3SU1400-1AA10-1FA0
of the supplied holder	3SU1550-0AA10-0AA0
of the supplied actuator	3SU1050-1HA20-0AA0
of supplied accessory	3SU1900-0BC31-0AT0
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, 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 • according to IEC 60068-2-6 operating frequency maximum food 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical thermal current 10 A reference code according to IEC 81346-2 S	
according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 operating frequency maximum 600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical thermal current 10 A reference code according to IEC 81346-2	
vibration resistance ● according to IEC 60068-2-6 operating frequency maximum frequency maximum mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical thermal current 10 A reference code according to IEC 81346-2 S	
according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 600 1/h mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical 300 000 thermal current 10 A reference code according to IEC 81346-2	
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electrical endurance (operating cycles) typical 300 000 thermal current 10 A reference code according to IEC 81346-2 S	
thermal current 10 A reference code according to IEC 81346-2 S	
reference code according to IEC 81346-2	
3	
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	
Power Electronics	
	10 million
contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per (5 V, 1 mA)	10 Million
Auxiliary circuit	
design of the contact of auxiliary contacts Silver alloy	
number of NC contacts for auxiliary contacts	
number of NO contacts for auxiliary contacts	
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 mm²)	
• finely stranded with core end processing 2x (0.5 1.5 mm²)	
• finely stranded without core end processing 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	
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 • 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	
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)
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 70.6 mm	
Accessories	

number of backing plates 1
marking of backing plate EMERGENCY-STOP
color of backing plate Yellow

Certificates/ approvals

General Product Approval

Declaration of Conformity





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment



Confirmation

Environmental Confirmations

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=3SU1150-1HA20-1FH0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-1HA20-1FH0

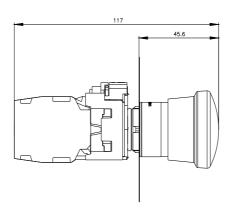
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

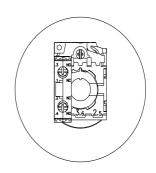
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-1HA20-1FH0

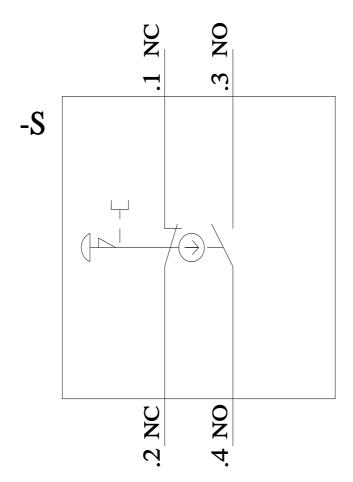
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-1HA20-1FH0&lang=en









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