3SU1150-1BA20-3CA0

Data sheet



Mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, latching, pull-to-unlatch mechanism, with holder, 1 NC, Spring-type terminal

product brand name	SIRIUS ACT	
product designation	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	3SU1400-1AA10-3CA0	
of the supplied holder	3SU1550-0AA10-0AA0	
of the supplied actuator	3SU1050-1BA20-0AA0	
Enclosure	335 : 033 : 151 iii 2 31 : 15	
number of command points	1	
Actuator		
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	
number of switching positions	2	
Front ring		
product component front ring	Yes	
design of the front ring	Standard	
material of the front ring	Metal, high gloss	
color of the front ring	silver	
Holder		
material of the holder	Plastic	
Display		
number of LEDs	0	
General technical data		
product function		
 positive opening 	Yes	
 EMERGENCY OFF function 	No	
EMERGENCY STOP function	No	
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	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	1 800 1/h		
mechanical service life (operating cycles) typical	500 000		
electrical endurance (operating cycles) typical	10 000 000		
thermal current	10 A		
reference code according to IEC 81346-2	P		
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 ma (5 V, 1 mA)	loperation per 10 million	
Auxiliary circuit			
design of the contact of auxiliary contacts	Silver alloy		
number of NC contacts for auxiliary contacts	1	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 mm²)		
 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		
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 operation	0.235 kg		
Global Warming Potential [CO2 eq] after end of life	-0.267 kg		
Installation/ mounting/ dimensions			
fastening method			
of modules and accessories	Front plate mounting		
height	40 mm		
width	40 mm	40 mm	
shape of the installation opening	round	round	
mounting diameter	22.3 mm		
positive tolerance of installation diameter	0.4 mm		
mounting height	27.5 mm		
installation width	40 mm		
installation depth	49.7 mm		
Approvals Certificates			
General Product Approval		Declaration of Con-	





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







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=3SU1150-1BA20-3CA0

Cax online generator

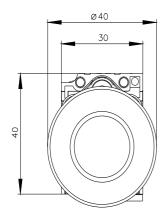
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-1BA20-3CA0

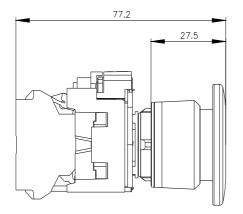
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

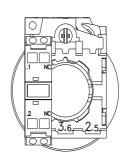
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-1BA20-3CA0

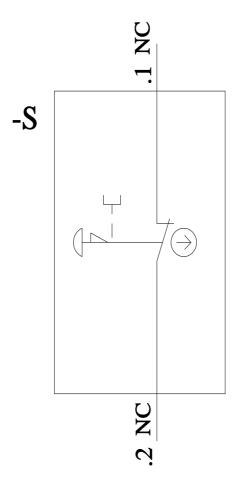
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-1BA20-3CA0&lang=en









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