SIEMENS

Data sheet

3SU1153-0AB20-3CA0-Z Y13



Illuminated pushbutton, 22 mm, round, metal, shiny, red, pushbutton, flat, momentary contact type, with holder, 1NC, LED module with integrated LED 110 V AC, spring-type terminal, with laser labeling, symbol number according to, ISO 7000 or IEC 60417

product brand name SIRUS ACT product designation Illuminated pushbuttons design of the product Complete unit product type designation 3SU1 product line Metal, shiny, 22 mm manufacturer's article number SU1400-1AA10-3CA0 • of supplied contact module at position 1 3SU1400-1AA10-3CA0 • of supplied LED module 3SU1550-DAA10-0AA0 • of the supplied actuator SSU1550-DAA10-0AA0 • of the supplied actuator SSU1501061-DAB20-0AA0 • of the supplied actuator SSU1501-DAA20-OAA0 number of command points 1 Actuator SSU1601-DAB20-0AA0 principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element red material of the actuating element customize labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules 1 front ring Slandard material of the front ring Slandard material of the front ring Slandard material of the f		
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• of the supplied actuator 3SU1051-0AB20-0AAQ number of command points 1 Actuator	of supplied LED module	<u>3SU1401-1BC20-3AA0</u>
number of command points 1 Actuator	 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>
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outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules 1 Front ring Yes 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 Plastic Display 1 number of LED modules 1 general technical data Yes product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20	material of the actuating element	plastic
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number of contact modules 1 Front ring Yes design of the front ring Standard material of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the front ring Silver Holder Plastic Display 1 number of LED modules 1 General technical data Yes product function positive opening Yes product duper ated value 320 V degree of pollution 3 type of voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) e of the terminal IP20	outer diameter of the actuating element	29.45 mm
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 Plastic Display I number of LED modules 1 General technical data Yes product function positive opening Yes product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) of the terminal IP20	marking of the actuating element	Customized labeling, graphical symbols acc. to ISO7000 and IEC60417
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design of the front ring Standard material of the front ring Metal, high gloss color of the front ring silver Holder Plastic material of the holder Plastic Display 1 General technical data 7 product function positive opening Yes product function positive opening Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) e of the terminal IP20	Front ring	
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General technical data product function positive opening Yes product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20	Display	
product function positive opening Yes product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20	number of LED modules	1
product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20	General technical data	
insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20	product function positive opening	Yes
degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20	product component light source	Yes
type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20	insulation voltage rated value	320 V
surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20	degree of pollution	3
protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20	type of voltage of the operating voltage	AC/DC
of the terminal IP20	surge voltage resistance rated value	4 kV
	protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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	3 600 1/h
mechanical service life (operating cycles) typical	3 000 000
electrical endurance (operating cycles) typical	10 000 000
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 mÅ)
Supply voltage	
type of voltage of the supply voltage of the light source	AC
supply voltage of the light source at AC	
• at 50 Hz rated value	110 V
• at 60 Hz rated value	110 V
Control circuit/ Control	
inrush current of LED module maximum	3 A
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	spring-loaded terminals
 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 mm ²)
 finely stranded without core end processing 	2x (0.25 1.5 mm ²)
 for AWG cables 	2x (24 16)
tightening torque of the screws in the bracket	1 1.2 N·m
Lamp	
type of light source	LED
color of the light source	red
light intensity	450 1 120 mcd
Ambient conditions	
ambient temperature	-25 +70 °C
during operation	-25 +70 °C
during storage	
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 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	11 mm
installation width	29.5 mm

installation depth

Certificates/ approvals

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).

49.7 mm

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=3SU1153-0AB20-3CA0-Z Y13

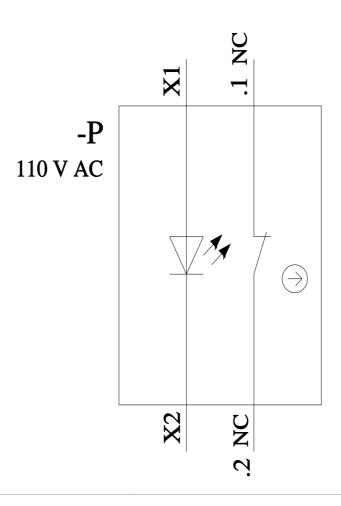
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1153-0AB20-3CA0-Z Y13

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1153-0AB20-3CA0-Z Y13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1153-0AB20-3CA0-Z Y13&lang=en



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