SIEMENS

Data sheet



Pushbutton, 22 mm, round, plastic with metal front ring, red, pushbutton, raised, momentary contact type, with holder, 1 NC, screw terminal, with laser labeling, symbol number according to, ISO 7000 or IEC 60417

product type designation design of the product product type designation product type designation 3SU1 product type designation 3SU1 product type designation 3SU1 Plastic with metal front ring, matt, 22 mm manufacturer's article number • of supplied contact module at position 1 • of the supplied holder • of the supplied acutator 1 supplied acutator 3SU1400-1AA10-1CA0 3SU1550-0AA10-0AA0 3U1550-0AA10-0AA0 3U1550-0AA10-0	product brand name	SIRIUS ACT
product type designation product line	product designation	Pushbuttons
product line manufacturer's article number of supplied contact module at position 1 of the supplied actuator 1	design of the product	Complete unit
manufacturer's article number of supplied contact module at position 1 of the supplied holder of the supplied holder of the supplied actuator supplied actuator assut550-0AA10-0AA0 suttator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element narking of the actuating element outer diameter of the actuating element product component front ring design of the front ring material of the front ring material of the front ring material of the holder product component front ring design of the front ring material of the holder product component front ring sand gray Holder material of the holder plastic bisplay number of LED modules 0 General technical data product function positive opening yes product component light source No insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal po the terminal assult400-1AA10-1CA0 3sut450-1AA10-1CA0 3sut450-1AA10-1CAA0 3sut450-1AA10-1AA10 1ACtuator design of the actuating element momentary contact type Button, raised momentary contact type momentary contact type momentary contact type momentary contact type Button, raised momentary contact type momentary contact type momentary contact type momentary contact type mom	product type designation	3SU1
of supplied contact module at position 1 of the supplied holder of the supplied actuator of the supplied actuator number of command points 1 Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element application of the actuating element material of the actuating element application of the actuating element color of the actuating element application of the actuating element outer diameter of the actuating element cound outer diameter of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules 1 Front ring product component front ring design of the front ring design of the front ring material of the front ring material of the front ring material of the holder Plastic Display number of LED modules 0 General technical data product component light source No insulation voltage rated value degree of pollution 3 type of voltage roll the operating voltage surge voltage resistance rated value of the terminal in Fe6, IP67, IP69(IP69K) of the terminal	product line	Plastic with metal front ring, matt, 22 mm
• of the supplied holder • of the supplied actuator asu1030-0BB20-0AA0 1 Actuator design of the actuating element	manufacturer's article number	
Of the supplied actuator number of command points Actuator design of the actuating element product extension optional light source color of the actuating element material of the actuating element marking of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules 1 Front ring product component front ring design of the front ring sand gray Holder material of the holder Display number of LED modules O General technical data product component light source No General technical data product function positive opening yes product component light source No insulation voltage rated value 6 kV protection class IP of the terminal Fee, IP66, IP67, IP69(IP69K) included IP20 Other terminal I LED modules I LED module	 of supplied contact module at position 1 	3SU1400-1AA10-1CA0
number of command points Actuator design of the actuating element principle of operation of the actuating element momentary contact type 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 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules Front ring Yes product component front ring Standard material of the front ring Asian gray Holder material of the holder Plastic Display number of LED modules 0 General technical data product component light source No insulation voltage rated value 500 V degree of pollution 1 ye of voltage of the operating voltage act of level of the light of the light of the light of the protection class IP IP66, IP67, IP69(IP69K) • of the terminal	 of the supplied holder 	3SU1550-0AA10-0AA0
Actuator design of the actuating element Button, raised principle of operation of the actuating element momentary contact type product extension optional light source No Color of the actuating element red material of the actuating element round couter diameter of the actuating element Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules 1 Front ring Tront r	of the supplied actuator	3SU1030-0BB20-0AA0
design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter of the Customical symbols acc. to ISO7000 and IEC60417 outer diameter outer diamete	number of command points	1
principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the holder Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal meterial of the terminal product function positive opening product graphical symbols acc. to ISO7000 and IEC60417 No	Actuator	
product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the holder Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal Ple6, IP67, IP69(IP69K) IP20	design of the actuating element	Button, raised
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, graphical symbols acc. to ISO7000 and IEC60417 number of contact modules Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the holder Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal Fred plastic Plastic Plastic Display number of LED modules AC/DC surge voltage resistance rated value 6 kV protection class IP of the terminal	principle of operation of the actuating element	momentary contact type
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outer diameter of the actuating element marking of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring material of the holder material of the holder Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value outer of the terminal 29.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 189.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 199.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 199.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 199.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 199.45 mm Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 100.41 miles of ISO7000 and IEC60	material of the actuating element	plastic
marking of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the holder material of the holder material of the holder plastic Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value for the terminal Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 1 1 1 1 1 1 1 1 1 1 1	shape of the actuating element	round
number of contact modules Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal 1 Yes No 1 1 1 1 1 1 1 1 1 1 1 1 1	outer diameter of the actuating element	29.45 mm
Front ring product component front ring design of the front ring material of the front ring Color of the front ring Metal, matt color of the front ring material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal Yes No No Roll AC/DC Surge voltage resistance rated value for the terminal Peo (IP69) IP20	marking of the actuating element	Customized labeling, graphical symbols acc. to ISO7000 and IEC60417
product component front ring design of the front ring material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal Yes No IP20 AC/DC Surge voltage resistance rated value of the terminal	number of contact modules	1
design of the front ring material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal Standard Metal, matt sand gray Metal, matt sand gray Metal, matt sand gray Holder Plastic 0 0 General technical data product function positive opening Yes product component light source No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value Protection class IP IP66, IP67, IP69(IP69K) IP20	Front ring	
material of the front ring Sand gray Holder material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening 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 of the terminal IP20	product component front ring	Yes
color of the front ring Holder material of the holder Plastic Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal of the holder Plastic Plastic A C/DC No Source No AC/DC Surge voltage resistance rated value for kV protection class IP IP66, IP67, IP69(IP69K) IP20	design of the front ring	Standard
material of the holder Display number of LED modules General technical data product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal Plastic Plastic Plastic Plastic Plastic Plastic Plastic Plastic AC/DC Surge Surge voltage Plastic AC/DC Surge Surge voltage rated value Frotection class IP IP66, IP67, IP69(IP69K) IP20	material of the front ring	Metal, matt
Display Plastic number of LED modules 0 General technical data Yes product function positive opening 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	color of the front ring	sand gray
number of LED modules General technical data product function positive opening yes product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP insulation voltage IP66, IP67, IP69(IP69K) insulation voltage IP20	Holder	
number of LED modules General technical data product function positive opening 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	material of the holder	Plastic
General technical data product function positive opening 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	Display	
product function positive opening product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal of the terminal Yes No AC/DC AC/DC SURGE POSITION (IP69 (IP69 K)) IP66, IP67, IP69 (IP69 K) IP20	number of LED modules	0
product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal No AC/DC 6 kV IP66, IP67, IP69(IP69K) IP20	General technical data	
insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal 500 V AC/DC kV IP66, IP67, IP69(IP69K) IP20	product function positive opening	Yes
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	product component light source	No
type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal AC/DC 6 kV IP66, IP67, IP69(IP69K) IP20	insulation voltage rated value	500 V
surge voltage resistance rated value protection class IP of the terminal 6 kV IP66, IP67, IP69(IP69K) 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	6 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
for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
 according to IEC 60068-2-6 	10 500 Hz: 5g
for railway applications according to EN 61373	Category 1, Class B
operating frequency maximum	3 600 1/h
mechanical service life (switching cycles) typical	10 000 000
electrical endurance (switching 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
oontaot ronasmity	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	screw-type terminals
of modules and accessories	
	Screw-type terminal
type of connectable conductor cross-sections	2v (0.5 0.75 mm²)
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)
• at AWG cables	2x (18 14)
tightening torque of the screws in the bracket	1 1.2 N·m
tightening torque with screw-type terminals	0.8 0.9 N·m
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
60721	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	16.2 mm
installation width	29.5 mm
installation depth	49.7 mm
Certificates/ approvals	
Further information	
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=3SU1130-0BB20-1CA0-Z Y13

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-0BB20-1CA0-Z Y13

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-0BB20-1CA0-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=3SU1130-0BB20-1CA0-Z Y13&lang=en

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