SIEMENS

Data sheet



Pushbutton, 22 mm, round, plastic, 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 product type designation 4 of supplied contact module at position 1 5 of the supplied contact module at position 1 5 of the supplied contact module at position 1 5 of the supplied contact module at position 1 5 of the supplied actuator 1 of the actuating element 1 or the actuating element 2 of the actuating element 2 of the actuating element 2 outer diameter of the actuating element 3 of the actuating element 4 outer diameter of the actuating element 4 outer diameter of the actuating element 5 outer diameter of the actuating element 5 outer diameter of the actuating element 6 outer diameter of the actuating element 6 outer diameter of the actuating element 7 or ond 8 outer diameter of the actuating element 8 outer diameter of the actuating element 9 outer diameter of the actuating elemen	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm manufacturer's article number • of supplied contact module at position 1 • of the supplied holder • of the supplied actuator number of command points 1 Actuator design of the actuating element principle of operation of the actuating element red product extension optional light source 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 1 Front ring product component front ring yeasting of the front ring plastic color of the front ring plastic color of the front ring plastic Plastic Display number of LED modules 0 General technical data product function positive opening Yes product component light source No insulation voltage rated value 6 kV edgree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value • of the terminal Plastic	product designation	Pushbuttons
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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	product line	Plastic, black, 22 mm
• of the supplied holder • of the supplied actuator number of command points Actuator design of the actuating element principle of operation of the actuating element product exhesion optional light source color of the actuating element material of the actuating element product exhesion optional light source color of the actuating element material of the actuating element 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 product component front ring design of the front ring material of the front ring plastic color of the front ring plastic color of the front ring holder material of the holder Display number of LED modules O General technical data product function positive opening product component light source insulation voltage rated value degree of pollution lype of voltage of the operating voltage surge voltage resistance rated value of the terminal ■ 1	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 product extension optional light source color of the actuating element material of the actuating element round outer diameter of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring color of the front ring plastic color of the front ring hadder Display number of LED modules O General technical data product function positive opening product component light source No General technical data product function positive opening yes product component light source No insulation voltage rated value degree of pollution surge voltage of the operating voltage surge voltage resistance rated value of the terminal O SULTIONADA Button, raised momentary contact type momentary contact type momentary contact type No insulation voltage rated value AC/DC surge voltage of the operating voltage of the terminal IP20	 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 design of the front ring Standard plastic color of the front ring plastic color of the front ring plastic black Holder actuating element Pesticolorial symbols acc. to ISO7000 and IEC60417 number of contact modules Front ring Yes design of the front ring Plastic color of the front ring plastic black 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 • of the terminal	 of the supplied holder 	3SU1550-0AA10-0AA0
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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 plastic color of the front ring material of the holder Plastic 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 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical symbols acc. to ISO7000 and IEC60417 1 Customized labeling, graphical	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 color of the front ring 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 o (LEO surge voltage rated value o (LEO surge voltage rate	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 color 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
product component front ring design of the front ring material of the front ring color of the front ring plastic color of the front ring black 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 insulation voltage right source surge voltage resistance rated value for kV protection class IP of the terminal Yes Acidoc Standard Plastic Plastic 0 0 General technical voltage No insulation 3 4 C/DC Surge voltage resistance rated value for kV Protection class IP of the terminal	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 plastic color of the front ring black 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 ROCIDE 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 plastic color of the front ring black 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 plastic Standard plastic Standard Standard plastic Standard plastic Standard plastic Standard standard plastic Standard plastic Standard	Front ring	
material of the front ring black 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 No place Plastic No AC/DC Surge voltage in the operating voltage AC/DC 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 Plastic AC/DC Surge voltage attained Pes AC/DC Surge voltage resistance rated value Frotection class IP Protection class IP	material of the front ring	plastic
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	black
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) ● of the terminal	Holder	
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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	
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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 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=3SU1100-0BB20-1CA0-Z Y13

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0BB20-1CA0-Z Y13

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0BB20-1CA0-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=3SU1100-0BB20-1CA0-Z Y13&lang=en

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