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, upper case

product designation design of the product product type designation product type designation 3SU1 product type designation 3SU1 product type designation 3SU1400-1AA10-1CA0 3SU1550-0AA10-0AA0 3SU1550-0AA10	product brand name	SIRIUS ACT
product type designation product line 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 actuator number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element shape of the actuating element material of the actuating element number of contact modules front ring product component front ring design of the front ring design of the front ring material of the front ring Metal, matt color of the front ring material of the front ring Metal, matt color of the front ring material 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 No insulation voltage rated value element No insulation voltage rated value for velocities of the CDC surge voltage of the operating voltage surge voltage resistance rated value e of the terminal Plastic Pl	product designation	Pushbuttons
product line manufacturer's article number of suspplied contact module at position 1 of the supplied holder 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 actuator • of the supplied actuator substitution **Actuator** **Actuator** **design of the actuating element Button, raised momentary contact type product extension optional light source No color of the actuating element plastic shape of the actuating element plastic shape of the actuating element 29.45 mm marking of the actuating element Any inscription, text in upper case number of contact modules 1 Front ring Yes design of the front ring Standard material of the front ring Metal, matt color of the front ring Sand gray 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 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 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	product line	Plastic with metal front ring, matt, 22 mm
of the supplied holder of the supplied actuator asul1030-0BB20-0AA0 1 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 red material of the actuating element shape of the actuating element outer diameter of the actuating element Any inscription, text in upper case number of contact modules front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring Holder material of the holder Display number of LED modules General technical data 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 Position of the terminal Ple66, IP67, IP69(IP69K) i Sul 1030-000-000-000-000-000-000-000-000-000	manufacturer's article number	
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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 arking of the actuating element number of contact modules Pront 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 momentary contact type No	Actuator	
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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 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 other of the terminal 29.45 mm Any inscription, text in upper case 1 Any inscription 2 Any inscription 2 Any inscription 3 Any inscription 4 Any inscription 4 Any inscription 5 Any inscription 5 Any inscription 6 Any inscription 6 Any inscription 7 Any inscription 8 Any inscription 9 Any	material of the actuating element	plastic
marking of the actuating element number of contact modules 1 Front ring product component front ring	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 Metal, matt 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 other of the terminal 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 Metal, matt color of the front ring Metal, matt sand gray Holder material of the holder Plastic Display number of LED modules 0 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 Pyes Plastic 0 Concept Ves No insulation voltage rated value Sou V Sou V Source Surge voltage resistance rated value Source Sou	marking of the actuating element	Any inscription, text in upper case
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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 Holder Plastic 0 Ceneral technical data 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	
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color of the front ring Holder material of the holder Plastic Display 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 of the terminal Plastic Plastic No AC/DC Surge voltage in the operating voltage AC/DC IP66, IP67, IP69(IP69K) Plastic Plastic AC/DC	design of the front ring	Standard
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 IP66, IP67, IP69(IP69K) ● of the terminal IP20	material of the front ring	Metal, matt
material of the holder Plastic Display 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	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 No insulation voltage rated value source type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal Yes No AC/DC SURGE POSITION V AC/DC SURGE POSITION POSITIO	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 of the terminal 500 V AC/DC 6 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 6 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	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 Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-0BB20-1CA0-Z Y11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-0BB20-1CA0-Z Y11

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 Y11&lang=en

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