SIEMENS

Data sheet



Pushbutton, 22 mm, round, metal, shiny, blue, pushbutton, raised, momentary contact type, with holder, 1 NO, screw terminal, with laser labeling, lower case

product designation design of the product product type designation product type designation 3SU1 product type designation 3SU1 Metal, shiny, 22 mm manufacturer's article number • of supplied contact module at position 1 • of the supplied holder • of the supplied actuator subject of command points 1 Actuator design of the actuating element principle of operation 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 shape of the actuating element waterial of the actuating element couter diameter of the actuating element product extension optional light source shape of the actuating element couter diameter of the actuating element general counter diameter of the actuating element couter diameter of the actuating element arking of the actuating element couter diameter of the actuating element general element couter diameter of the countring product component front ring design of the front ring No material of the front ring No material of the front ring No material of the front positive opening product function positive opening product component light source No	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm Metal, shiny, 24 mm Metal, shiny,	product designation	Pushbuttons
product line manufacturer's article number of supplied contact module at position 1 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 extension optional light source color of the actuating element passite shape of the actuating element outer diameter of the actuating element product catuating element outer diameter of the actuating element product component front ring design of the front ring material of the front ring Metal, shiny, 22 mm sult400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1450-0BB50-0AA0 1 Button, raised momentary contact type momentary contact type momentary contact type policy extension optional light source No color of the actuating element plastic cuter diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case letters number of contact modules 1 Front ring product component front ring Metal, high gloss color of the holder Plastic Display number of LED modules 0 General technical data product function positive opening 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 of the terminal	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 number of command points Actuator 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 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 product component front pring product component front pring material of the front ring material of the front ring material of the front ring material of the front pring product component front pring product component front pring 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 1 yee of voltage of the operating voltage surge voltage resistance rated value 6 kV protection class IP • of the terminal	product type designation	3SU1
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Actuator Button, raised Button, raised principle of operation of the actuating element momentary contact type product extension optional light source No Survey No Survey No Survey Surv	of the supplied actuator	3SU1050-0BB50-0AA0
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 out	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, text in lower case letters 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 surper voltage resistance rated value of the terminal momentary contact type No	Actuator	
product extension optional light source color of the actuating element blue material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, text in lower case letters number of contact modules Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring whetal, high gloss color 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 resistance rated value of the terminal Pla6, IP67, IP69(IP69K) IP20	design of the actuating element	Button, raised
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material of the actuating element shape of the actuating element outer diameter of the actuating element customized labeling, text in lower case letters number of contact modules 1 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 of the terminal plastic plastic plastic plastic plastic plastic Display No product component light source No insulation voltage rated value 6 kV protection class IP of the terminal plastic possible value 1966, IP67, IP69(IP69K) insulation voltage resistance rated value 1960, IP67, IP69(IP69K) insulation voltage resistance rated value 1960, IP67, IP69(IP69K)	product extension optional light source	No
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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 Metal, high gloss 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, text in lower case letters 1 Neatl, high gloss silver Plastic Display No No Seneral technical data product function positive opening No No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage Surge voltage resistance rated value 6 kV protection class IP F66, IP67, IP69(IP69K) F70	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 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 surge voltage resistance rated value for the terminal Customized labeling, text in lower case letters 1 Nessended in lower case letters 1 Front ring Plastic Display No O General technical data Product function positive opening No No Insulation voltage rated value Sou V Sou V Source 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	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 Metal, high gloss 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 type of voltage of the operating voltage surge voltage resistance rated value of the terminal 1 Yes Neath and and and and a product component light source No insulation voltage resistance rated value 6 kV protection class IP of the terminal	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, high gloss 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 3 type of voltage of the operating voltage surge voltage resistance rated value of the terminal Yes Yes Yes Netholder Plastic Display No No No Solve No insulation voltage rated value Solve AC/DC surge voltage resistance rated value Solve Ple6, IP67, IP69(IP69K) IP20	marking of the actuating element	Customized labeling, text in lower case letters
product component front ring design of the front ring material of the front ring material of the front ring Metal, high gloss color of the front ring silver Holder material of the holder Plastic Display number of LED modules o 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 Yes Standard Metal, high gloss Standard Metal, high gloss Standard Metal, high gloss 10 No 10 No 10 Solve AC/DC Surge voltage resistance rated value for kV protection class IP of the terminal	number of contact modules	1
design of the front ring material of the front ring material of the front ring color of the front ring material of the front ring silver 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 surge voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal of the front ring Metal, high gloss silver Plastic Display No No Solution AC/DC Surge voltage resistance rated value of the terminal IP20	Front ring	
material of the front ring color of the front ring silver 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 Metal, high gloss silver Metal, high gloss silver Plastic	product component front ring	Yes
silver Holder Plastic Display 0 General technical data No product function positive opening 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	design of the front ring	Standard
Holder 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 No AC No No Source No AC AC AC BC Surge voltage rated value FRO FRO FRO FRO FRO FRO FRO FR	material of the front ring	Metal, high gloss
material of the holder Plastic Display 0 General technical data 0 product function positive opening 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	silver
number of LED modules General technical data product function positive opening	Holder	
number of LED modules General technical data product function positive opening No product component light source No 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 0 No No No No AC/DC Surge voltage resistance rated value Frotection class IP IP66, IP67, IP69(IP69K) IP20	material of the holder	Plastic
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product function positive opening product component light source No 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 No AC/DC 6 kV IP66, IP67, IP69(IP69K) IP20	number of LED modules	0
product component light source insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value protection class IP of the terminal 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	No
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

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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 (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	0 1 1 1 400 11 471 5 11
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	1
Connections/ Terminals	
type of electrical connection	screw-type terminals
of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
 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 60721	3M6, 3S2, 3B2, 3C3, 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	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	

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-0BB50-1BA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-0BB50-1BA0-Z Y12

Service&Support (Manuals, Certificates, https://support.industry.siemens.com/cs/ww	en/ps/3SU1150-0BB50-1BA0-Z Y12
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