SIEMENS

Data sheet



Pushbutton, 22 mm, round, metal, shiny, black, 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 Metal, shiny, 22 mm Memetal of the actuating element Media, shiny, 22 mm Memetal of operation of the actuating element Memetal of the actuating element Metal, shiny, 22 mm Metal, shiny, 22	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm of supplied contact module at position 1 supplied contact module at position 1 supplied actuator of the supplied actuator subject of the supplied actuator assulfaso.oAa10-oAa0 assulfaso.o	product designation	Pushbuttons
product line manufacturer's article number of supplied contact module at position 1 of the supplied holder of the supplied actuator substituting the supplied actuator assuration and 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 product extension optional light source number of contact modules Front ring product component front ring design of the front ring Metal, shiny, 22 mm material of the holder Display number of LED modules Ceneral technical data product component light source No Celor of the actuating element product component front of the actuating element product component front of the actuating element actuating element product component front product of the actuating element product component front product of the front ring design of the front ring material of the holder Display number of LED modules O Ceneral technical data product function positive opening yes product component light source No insulation voltage rated value Sou V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value Front critical Front fine Plastic Ple6, IP67, IP69(IP69K) 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 actuator suttor assutisso-0AA10-0AA0 suttor 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 number of contact modules front ring product component front ring design of the actuating element subscieved Any inscription, text in upper case number of contact modules 1 Front ring product component front ring design of the front ring material of the holder product component front ring design of the front ring material of the front ring fooling is the fooling plants of the color of the color of the actuating element number of contact modules 1 Front ring product component front ring detail, high gloss color of the front ring material of the holder plastic product component front ring detail, high gloss color of the front ring material of the holder plastic 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 6 kV protection class IP of the terminal	product type designation	3SU1
of supplied contact module at position 1 of the supplied holder of the supplied actuator assure 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 material of the actuating element product catuating element actuating element plastic shape of the actuating element actuating element product component front ring product component front ring design of the front ring material of the front ring design of the front ring design of the front ring material of the front ring design of the front ring material of the front ring silver Holder material of the holder Plastic Display number of LED modules o General technical data product component light source No insulation voltage rated value degree of pollution 1 type of voltage roll the operating voltage surge voltage resistance rated value of the terminal Plasti Plasti Plesti Plasti product component light source No insulation voltage rated value of bot V of the terminal product surger voltage resistance rated value of the terminal product surger voltage resistance rated value of the terminal	product line	Metal, shiny, 22 mm
• of the supplied holder • of the supplied actuator asu1050-0BB10-0AA0 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 shape of the actuating element product extension optional light source color of the actuating element shape 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 Actuation of the front ring whetal, high gloss color of the front ring Holder material of the holder Display number of LED modules O General technical data product component light source No O degree of pollution surge of the operating voltage AC/DC surge voltage resistance rated value of the terminal Pe66, IP67, IP69(IP69K) IVEN I	 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 black material of the actuating element round outer diameter of the actuating element Any inscription, text in upper case number of contact modules Front ring product component front ring Standard 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 General technical data 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	 of the supplied holder 	3SU1550-0AA10-0AA0
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 black material of the actuating element plastic shape of the actuating element round outer diameter 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, high gloss color of the front ring silver 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 type of the terminal IP20 • of the terminal FP66 IP67, IP69(IP69K) IP20	of the supplied actuator	3SU1050-0BB10-0AA0
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 arking of the actuating element outer diameter of the actuating element arking 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, high gloss 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 type of voltage of the operating voltage of the terminal Button, raised momentary contact type momentary contac	number of command points	1
principle of operation of the actuating element product extension optional light source color of the actuating element plastic shape of the actuating element shape of the actuating element outer diameter of the actuating element product extension optional glement outer diameter of the actuating element arking of the actuating element arking of the actuating element arking 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 Metal, high gloss 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 3 type of voltage of the operating voltage of the terminal Ple6, IP67, IP69(IP69K) IP20	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 number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring whetal, high gloss color of the front ring 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 resistance rated value of the terminal Ple6, IP67, IP69(IP69K) IP20	design of the actuating element	Button, raised
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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 4 degree of pollution type of voltage of the operating voltage surge voltage resistance rated value • of the terminal 29.45 mm Any inscription, text in upper case Any inscription, text in upper case Any inscription, text in upper case 1 Any inscription, text in upper case Any inscription, text in upper case 1 Pes Standard Metal, high gloss silver Plastic Display No Solver Plastic Display No Solver Ac/DC Surge voltage resistance rated value 6 kV Protection class IP • of the terminal	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 Metal, high gloss color of the front ring material of the holder 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 Any inscription, text in upper case 1 Any inscription, text in upper case 1 Any inscription, text in upper case 1 Yes Standard Metal, high gloss silver Metal, high gloss solver	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, 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 of the terminal 1 Yes Plastic 0 0 Concernation of the holder No insulation voltage rated value 6 kV protection class IP of the terminal of the terminal of the degree of pollution product component light source surge voltage resistance rated value for kV protection class IP of the terminal	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 Holder material of the holder material of the holder Plastic Display number of LED modules 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 Yes Standard Metal, high gloss Standard Metal, high gloss Silver Plastic Display No Silver No Silver No	marking of the actuating element	Any inscription, text in upper case
product component front ring design 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 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 Accident Ac	number of contact modules	1
design 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 Standard Metal, high gloss Metal, high gloss Metal, high gloss silver Metal, high gloss silver Plastic 0 Carerial voltage No Standard Metal, high gloss silver Neatlerian Silver Plastic 0 Color Standard Metal, high gloss silver Neatlerian Silver No Source No Accident Silver Standard Metal, high gloss Silver No Silver Accident Silver Standard Metal, high gloss Silver No Silver Accident Silver Standard Metal, high gloss Silver No Silver No Source No Accident Silver S	Front ring	
material of the front ring silver 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 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 Silver Plastic No AC/DC	design of the front ring	Standard
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 Plastic Plastic Plastic Plastic Plastic AC	material of the front ring	Metal, high gloss
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	silver
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 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 No AC/DC SURGE FOR IP69 (IP69K) IP66, IP67, IP69 (IP69K) 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 of the terminal of the terminal of the voltage rated value protection class IP 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 2 2D 4 4V 12 12

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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	
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	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	
 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	
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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=3SU1150-0BB10-1CA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-0BB10-1CA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-0BB10-1CA0-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=3SU1150-0BB10-1CA0-Z Y11&lang=en

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