3SU1100-0AB10-3FA0

Data sheet



Pushbutton, 22 mm, round, plastic, black, pushbutton, flat, momentary contact type, with holder 1 NO+1 NC, spring-type terminal,

product designation design of the product product type designation product type designation product type designation product type designation product time manufacturer's article number • of supplied contact module at position 1 • of the supplied contact module at position 1 • of the supplied contact module at position 1 • of the supplied contact module at position 1 • of the supplied contact module at position 1 • of the supplied actuator number of command points 1 Actuator design of the actuating element principle of operation of the actuating element momentary contact type product extension optional light source color of the actuating element plastic shape of the actuating element plastic shape of the actuating element cound outer diameter of the actuating element product component front ring product component front ring design of the front ring product component front ring design of the front ring plastic color of the front ring plastic Standard material of the holder Plastic Display number of LED modules 0 General technical data product function positive opening yes product component light source insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value fedgree of protection NEMA rating shock resistance Comment is product in NEMA rating shock resistance	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 supplied contact module at position 1 supplied holder of the supplied actuator of the supplied actuator subject 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 shape of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring plastic color of the front ring plastic plastic plastic plastic plastic plastic product component front ring design of the front ring plastic color of the front ring plastic plastic plastic plastic Standard material of the front ring plastic plastic plastic plastic General technical data 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 lef6, IP67, IP69(IP69K) left of the supplied actuating plastic legree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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 product extension optional light source color of the actuating element product extension optional light source color of the actuating element product extension optional light source color of the actuating element product extension optional light source color of the actuating element pouter diameter of the actuating element outer diameter of the actuating element outer diameter of the actuating element product component front ring yes product component front ring feront ring product component front ring standard material of the front ring black Holder material of the holder Display number of LED modules General technical data product function positive opening 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 feece of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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 3SU1000-0AB10-0AA0 number of command points 1 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 shape of the actuating element poduct extension optional light source 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 product component front ring product component front ring product component front ring plastic color of the front ring black Holder material of the holder Display number of LED modules 0 General technical data product function positive opening 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 for the terminal lip20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	product type designation	3SU1
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	product line	Plastic, black, 22 mm
of the supplied holder of the supplied actuator asul 1000-0AB10-0AA0 asul 1000-0AB10-0AA0 asul 1000-0AB10-0AA0 asul 1000-0AB10-0AA0 asul 1000-0AB10-0AA0 asul 1000-0AB10-0AA0 Actuator design of the actuating element	manufacturer's article number	
of the supplied actuator number of command points Actuator design of the actuating element	 of supplied contact module at position 1 	3SU1400-1AA10-3FA0
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 29.45 mm number of contact modules 1 Front ring Yes design of the front ring Standard plastic color of the front ring plastic color of the front ring black 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 3 type of voltage resistance rated value 6 kV protection class IP IP60 of the terminal 1P20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	 of the supplied holder 	3SU1550-0AA10-0AA0
Actuator Button, flat principle of operation of the actuating element momentary contact type product extension optional light source No Disack material of the actuating element plastic shape of the actuating element plastic shape of the actuating element 29.45 mm number of contact modules 1	of the supplied actuator	3SU1000-0AB10-0AA0
design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element plastic shape of the actuating element outer diameter of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the holder product the front ring plastic color of the front ring plastic color of the front plastic pla	number of command points	1
principle of operation of the actuating element product extension optional light source color of the actuating element black material of the actuating element outer diameter of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring black 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 degree of protection NEMA rating No black No color of the front ring Display number of LED modules O General technical data product component light source No insulation voltage rated value Fig. 1, 2, 3, 3, 4, 4, 4X, 12, 13	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 Front ring product component front ring design of the front ring color of the front ring black 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 stream of the protection NEMA rating No degree of protection NEMA rating No color of the feront ring Accident Services No plastic Display No product function positive opening product function positive opening Accident Services Plastic No protection class IP Other terminal Plastic Plast	design of the actuating element	Button, flat
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 Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Display number of LED modules General technical data product component light source insulation voltage rated value degree of pollution support voltage resistance rated value of the terminal even the terminal degree of protection NEMA rating 1. 2, 3, 3R, 4, 4X, 12, 13	principle of operation of the actuating element	momentary contact type
material of the actuating element shape of the actuating element outer diameter 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 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 sylva of the terminal li P20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	product extension optional light source	No
shape of the actuating element outer diameter 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 black 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 6 kV protection class IP other ting 1 cound 1 cound 1 cound 29.45 mm Pes Standard Standard Standard Plastic Display No O General technical data product component light source No insulation voltage rated value foov V degree of pollution Surge voltage resistance rated value for kV protection class IP of the terminal lip20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	color of the actuating element	black
outer diameter of the actuating element 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 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 of the terminal degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	material of the actuating element	plastic
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 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 4 Soo V degree of pollution type of voltage of the operating voltage surge voltage resistance rated value of the terminal degree of protection NEMA rating 1 2 Sandard Yes 0 Color of the front ring Plastic Display 0 0 Color of LED modules 0 Color	shape of the actuating element	round
product component front ring product component front ring design of the front ring Standard 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 surge voltage resistance rated value of the terminal degree of protection NEMA rating Yes Standard Plastic Plastic Plastic Plastic No So AC/DC Surge voltage resistance rated value FOO V Description FOO V De	outer diameter of the actuating element	29.45 mm
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 surge voltage resistance rated value of the terminal degree of protection NEMA rating Yes Standard plastic Standard Plastic Plastic Plastic O General technical data yes 0 Condition O AC/DC 6 kV Protection class IP of the terminal O 1, 2, 3, 3R, 4, 4X, 12, 13	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 surge voltage resistance rated value of the terminal degree of protection NEMA rating Standard plastic Standard plastic plastic plastic Plastic Plastic Plastic Display 0 Ceneral technical data yes product function positive opening Yes 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 for kV protection class IP of the terminal lP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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 IP66, IP67, IP69(IP69K) of the terminal IP20 degree of protection NEMA rating 1,2,3,3R,4,4X,12,13	product component front ring	Yes
color of the front ring black	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 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	color of the front ring	black
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 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	material of the holder	Plastic
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 degree of protection NEMA rating Yes No No AC/DC Surge voltage rated value 6 kV Protection class IP IP66, IP67, IP69(IP69K) IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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 degree of protection NEMA rating Yes No No AC/DC Surge voltage rated value 6 kV Protection class IP IP66, IP67, IP69(IP69K) IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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 degree of protection NEMA rating No AC/DC AC/DC IP66, IP67, IP69(IP69K) IP20 IP20 1, 2, 3, 3R, 4, 4X, 12, 13	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 degree of protection NEMA rating 500 V AC/DC kV IP66, IP67, IP69(IP69K) IP20 IP20 1, 2, 3, 3R, 4, 4X, 12, 13	product function positive opening	Yes
degree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value6 kVprotection class IPIP66, IP67, IP69(IP69K)● of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	product component light source	No
type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal degree of protection NEMA rating AC/DC 6 kV IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13	insulation voltage rated value	500 V
surge voltage resistance rated value protection class IP of the terminal degree of protection NEMA rating 6 kV IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13	degree of pollution	3
protection class IP of the terminal lP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	type of voltage of the operating voltage	AC/DC
● of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	surge voltage resistance rated value	6 kV
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	protection class IP	IP66, IP67, IP69(IP69K)
	of the terminal	IP20
shock resistance	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	maloneration per 10	
Contact Tollability	million (5 V, 1 mA)	maioperation per 10	
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	1		
Connections/ Terminals		_	
	anring loaded terminals		
type of electrical connection	spring-loaded terminals		
of modules and accessories	Spring-type terminal		
type of connectable conductor cross-sections	0x (0.0F 4.F mm²)		
solid without core end processing finally stranged with core and processing	2x (0.25 1.5 mm²)		
finely stranded with core end processing	2x (0.25 0.75 mm²)		
finely stranded without core end processing	2x (0.25 1.5 mm²)		
at AWG cables	2x (24 16)		
tightening torque of the screws in the bracket	1 1.2 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)		
	condensation in operation permitted for all devices	bening from paner)	
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	11 mm		
installation width	29.5 mm		
installation depth	71.7 mm		
Certificates/ approvals			
General Product Approval		Declaration of Conformity	





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other





Confirmation

Environmental Confirmations

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=3SU1100-0AB10-3FA0

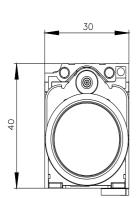
Cax online generator

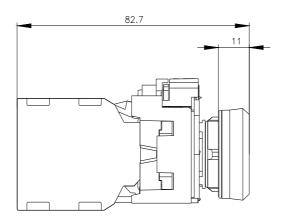
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-0AB10-3FA0

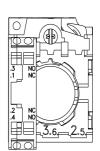
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-0AB10-3FA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-0AB10-3FA0&lang=en







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