SIEMENS

Data sheet



Pushbutton, 22 mm, round, metal, shiny, black, pushbutton, flat, momentary contact type, 1 NO+1 NC, spring-type terminal, Z=20-unit packaging

product designation design of the product product type designation product type designation 3SU1 product time Metal, shiny, 22 mm 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 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 product extension optional light source color of the actuating element product extension optional light source shape of the actuating element outer diameter of the actuating element number of contact modules 1 Front ring Front ring generate 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 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 surge voltage resistance rated value 6 kV of the terminal degree of protection NEMA rating shock resistance	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm Metal, shiny, 24 ma 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 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 product component front ring product component front ring feront ring product component front ring design of the front ring slandard material of the front ring Metal, high gloss color of the front ring sliver 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 AC/DC surge voltage resistance rated value feron 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 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1050-0AB10-0AA0 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 product extension optional light source shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element product component front ring design of the front ring Standard material of the front ring Metal, high gloss color of the front ring 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 stream of the prosition of the prosition of the source surge voltage resistance rated value protection class IP lefe, IP67, IP69(IP69K) legal of the terminal legal 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 of the supplied actuator number of command points 1 Actuator design of the actuating element	product line	Metal, shiny, 22 mm
of the supplied holder of the supplied actuator assures 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 shape of the actuating element passic shape of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the holder product component front ring sliver Holder material of the holder Display number of LED modules General technical data product component light source No insulation voltage rated value degree of pollution surge voltage resistance rated value profection NEMA rating lege of protection NEMA rating lege of protection NEMA rating less under susuas assured assure	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 Metal, high gloss color of the front ring silver Metal, high gloss color 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 1 type of voltage resistance rated value 6 kV protection class IP IP60 effect of the terminal IP20 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 Color of the actuating element black black material of the actuating element plastic shape of the actuating element cound court diameter of the actuating element 29.45 mm number of contact modules 1	of the supplied actuator	3SU1050-0AB10-0AA0
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 Plastic Plastic Plastic Plastic Plastic Pisplay number of LED modules O General technical data product function positive opening product component light source insulation voltage rated value surge voltage resistance rated value of the terminal degree of protection NEMA rating I black momentary contact type plastic plastic plastic product component front ring yes surge voltage resistance rated value of the leminal light source of the leminal light source of the leminal light source of the light source of the leminal light source of the light s	number of command points	1
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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 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 support voltage resistance rated value of 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 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 function positive opening product component light source insulation voltage rated value degree of pollution surge voltage resistance rated value for the terminal degree of protection NEMA rating house of the strating and the surge voltage 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 Metal, high gloss color of the front ring 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 of the terminal degree of protection NEMA rating 1 29.45 mm 1 7 es Standard Metal, high gloss Silver Plastic Plastic Display Ne Silver Plastic Display Acido Acido Acido Surge voltage resistance rated value Surge voltage resistance rated value For the terminal Silver Ple66, IP67, IP69(IP69K) IP20 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 1 Front ring product component front ring design of the front ring material 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 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 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 degree of protection NEMA rating 1 Yes Ple6, IP67, IP69(IP69K) IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	shape of the actuating element	round
product component front ring product component front ring design 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 surge voltage resistance rated value of the terminal degree of protection NEMA rating Yes Standard Metal, high gloss Silver Plastic Display 0 Ceneral technical data product component light source No insulation voltage rated value Sou V degree of pollution 3 type of voltage of the operating voltage Surge voltage resistance rated value FP66, IP67, IP69(IP69K) FP66, IP	outer diameter of the actuating element	29.45 mm
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 surge voltage resistance rated value of the terminal degree of protection NEMA rating Yes Standard Metal, high gloss silver No silver No silver No so of AC/DC surge of pollution surge voltage resistance rated value surge voltage resistance rate	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 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 Metal, high gloss Metal, high gloss Metal, high gloss Metal, high gloss Metal, high gloss Standard Metal, high gloss Metal, high gloss Metal, high gloss Plastic Plastic O General technical data product component light source No insulation voltage rated value 500 V degree of pollution 3 4C/DC surge voltage resistance rated value for kV protection class IP of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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 product component light source insulation voltage rated value degree of pollution surge voltage of the operating voltage protection class IP of the terminal degree of protection NEMA rating silver Plastic Plastic Plastic Plastic Plastic Plastic Plastic Plastic Plastic AC/DC Surge voltage rated value 6 kV Protection class IP iP66, IP67, IP69(IP69K) of the terminal 1P20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	design of the front ring	Standard
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 protection class IP of the terminal degree of protection NEMA rating Plastic Plastic Plastic Plastic Plastic AC/DC No Source No AC/DC Surge voltage resistance rated value 6 kV Protection class IP IP66, IP67, IP69(IP69K) • of the terminal 1, 2, 3, 3R, 4, 4X, 12, 13	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 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	color of the front ring	silver
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 OF PORT IN THE	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 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 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 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 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
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 QUAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	10/01/2014
• at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
at DC rated value at DC rated value	5 500 V
	000 V
Power Electronics	One melanosation nor 400 million (47.) / 5 m/A) and melanosation and 400 million (47.) / 5 m/A) and 400 million (47.) / 5 m/A
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	1
Connections/ Terminals	
type of electrical connection	spring-loaded terminals
 of modules and accessories 	Spring-type terminal
type of connectable conductor cross-sections	
 solid without core end 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)
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	30 mm round
shape of the installation opening mounting diameter	
mounting diameter	round
	round 22.3 mm
mounting diameter positive tolerance of installation diameter	round 22.3 mm 0.4 mm
mounting diameter positive tolerance of installation diameter mounting height installation width	round 22.3 mm 0.4 mm 11 mm 29.5 mm
mounting diameter positive tolerance of installation diameter mounting height installation width installation depth	round 22.3 mm 0.4 mm 11 mm
mounting diameter positive tolerance of installation diameter mounting height installation width	round 22.3 mm 0.4 mm 11 mm 29.5 mm

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

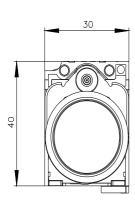
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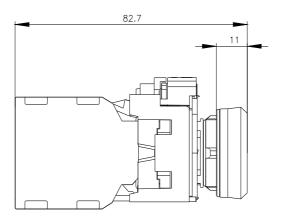
Cax online generator

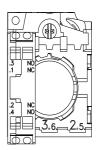
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-0AB10-3FA0-Z X90

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-0AB10-3FA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)







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