SIEMENS

Data sheet



Pushbutton, 22 mm, round, plastic with metal front ring, red, pushbutton, raised, momentary contact type, with holder, 1 NC, screw terminal, Z=20-unit packaging

product designation design of the product product type designation product type designation product type designation product type designation supplied contact module at position 1 e of the supplied contact module at position 1 e of the supplied contact module at position 1 e of the supplied contact module at position 1 supplied contact module at position 2 supplied contact module at position 2 supplied contact modules front ring product component front ring design of the actuating element product component front ring design of the front ring supplied contact modules front ring supplied contact modules front ring supplied contact modules front ring front ring front ring supplied contact modules front ring	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 supplied contact module at position 1 of the 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 material 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 design of the front ring Actuator Metal, matt color of the holder Plastic Plastic Plastic Plastic General technical data product component light source No No insulation voltage rated value degree of pollution type of voltage of the operating voltage AC/DC surge voltage resistance rated value degree 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 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 material of the front ring material of the holder Display number of LED modules OGeneral technical data product component light source No OGeneral technical data product component light source No OGeneral technical data product component light source No OGeneral technical contact No Insulation voltage rated value degree of pollution Jepe of protection NEMA rating Jepo of the terminal Jepo Office (NC) Jepo (NC) Jep	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 asul1550-0AA10-0AA0 of the supplied actuator asul1550-0AA10-0AA0 asul1550-0AA10-0AA0 asul1550-0AA10-0AA0 asul1550-0AA10 number of command points 1 Actuator design of the actuating element principle of operation of the actuating element product extension optional light source No color of the actuating element material of the actuating element outer diameter 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 Metal, matt color 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 0 General technical data 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 surge voltage resistance rated value feel, PERSIC protection class IP in PEGE, IP67, IP69(IP69K) in PEGE of potention 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	Plastic with metal front ring, matt, 22 mm
of the supplied holder of the supplied actuator asuloso-obbase-o-oaao number of command points 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 	3SU1400-1AA10-1CA0
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 red material of the actuating element plastic shape 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, matt color of the front ring sand gray 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 of the terminal 1920 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	 of the supplied holder 	3SU1550-0AA10-0AA0
Actuator Button, raised Button, raised principle of operation of the actuating element momentary contact type product extension optional light source No Color of the actuating element red material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm number of contact modules 1	of the supplied actuator	3SU1030-0BB20-0AA0
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 number of contact modules Front ring product component front ring design of the front ring material of the holder Display number of LED modules O General technical data product function positive opening product function positive opening product component light source No insulation voltage rated value Surge voltage resistance rated value of the terminal degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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 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 Display number of LED modules OGeneral technical data product function positive opening product function positive opening 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 red No red No Ron Ron Ron Ron Ron Ron Ron Ron Ron R	Actuator	
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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 material 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 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 insulation voltage rated value 4 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 Plastic Plastic O Concrete to the concrete to th	shape of the actuating element	round
product component front ring product component front ring design of the front ring Metal, matt 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, matt	outer diameter of the actuating element	29.45 mm
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 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 surge voltage resistance rated value of the terminal degree of protection NEMA rating Yes Standard Metal, matt Sand gray Holder Plastic Display 1 0 General technical data 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 Froe fine terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	number of contact modules	1
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 surge voltage resistance rated value of the terminal degree of protection NEMA rating Standard Metal, matt Metal, matter	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 sand gray Plastic AC/DC Source No AC/DC Surge voltage resistance rated value for 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	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	Metal, matt
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	sand gray
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	
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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 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	29.5 mm 49.7 mm
installation depth	

Information- and Download center (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 X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-0BB20-1CA0-Z X90 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-0BB20-1CA0-Z X90

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 X90&lang=en

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