SIEMENS

Data sheet



Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 110 V AC, screw terminal, Z=20-unit packaging

product designation design of the product product type designation product type designation product type designation product time manufacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 1 • of supplied LED module • of the supplied holder • of the supplied octuator • of the supplied actuator • 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 plastic 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 product or opponent front ring plastic color of the front ring plastic color of the front ring black Holder material of the holder Plastic Display number of LED modules 1 General technical data product component [ight source yes product component front up to plastic product function positive opening product component front ing slack Holder material of the plastic octor of the front ring black Holder product function positive opening product component light source yes insulation voltage rated value degree of pollution 3 type of voltage resistance rated value 4 kV protection class IP et class in plastic product operation NEMA rating 4, 2, 3, 8, 4, 4x, 12, 13	product brand name	SIRIUS ACT
product type designation product line product line product line anufacturer's article number of supplied contact module at position 1 supplied LED module of the supplied holder of the supplied holder of the supplied actuator supplied actuating element product extension optional light source yes color of the actuating element supplied actuating element color of the actuating element supplied actuating element couter diameter of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring supplied front ring supplied front ring supplied front ring black Holder material of the holder plastic Display number of LED modules 1 General technical data product function positive opening yes product component light source yes insulation voltage rated value degree of pollution 1 type of voltage of the operating voltage surge voltage resistance rated value 1 # VEV # VES # V	product designation	Illuminated pushbuttons
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of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied actuator of the supplied actuator of the supplied actuator asuton-oAA0 of the supplied actuator asuton-oAA0 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 outer diameter of the actuating element outer diameter of the actuating element outer diameter of the actuating element product component front ring product component front ring product component front ring design of the front ring plastic color of the front ring plastic Color of the front ring plastic Display number of LED modules 1 General technical data product function positive opening yes product component light source yes insulation voltage rated value degree of pollution 3 Lype of voltage of the operating voltage surge voltage resistance rated value of the terminal Plaso, IPSO,	product line	Plastic, black, 22 mm
of supplied LED module of the supplied holder of the supplied actuator aumber of command points 1 Actuator design of the actuating element	manufacturer's article number	
of the supplied holder of the supplied actuator assurement of command points 1 Actuator design of the actuating element	 of supplied contact module at position 1 	3SU1400-1AA10-1FA0
of the supplied actuator number of command points Actuator design of the actuating element	 of supplied LED module 	3SU1401-1BC60-1AA0
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 clear material of the actuating element outer diameter of the actuating element outer diameter of the actuating element product component front ring product component front ring product component front ring plastic color of the front ring plastic Display number of LED modules 1 General technical data product function positive opening yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value 4 kV protection class IP inferior ring ingle field residuation voltage rated value ingle field residuation voltage rated val	 of the supplied holder 	3SU1550-0AA10-0AA0
Actuator Button, flat principle of operation of the actuating element principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element clear 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	3SU1001-0AB70-0AA0
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 product component front ring design of the front ring material of the front ring material of the holder product component front plastic shape of the actuating element outer diameter of the actuating element number of contact modules Tent ring product component front ring design of the front ring standard material of the front ring black Holder material of the holder Display number of LED modules 1 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 Button, flat momentary contact type we mementary contact type momentary contact type momentary contact type momentary contact type yes clear momentary contact type yes clear momentary contact type momentary contact type yes clear material of the front ring yes yes insulation voltage rated value 4 kV protection class IP in P66, IP67, IP69(IP69K) IP20, clamping screw tightened	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 front ring material of the holder Display number of LED modules 1 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 soft he feront produce of the operating voltage surge voltage resistance rated value of the terminal momentary contact type yes clear yes clear yes clear yes clear yes cound yes cound yes cound yes color of the front ring black Plastic Display 1 Ceneral technical data product function positive opening yes color of the front color positive opening yes color of the front color positive opening yes product component light source yes insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage Surge voltage resistance rated value ye of the terminal IP20, clamping screw tightened	Actuator	
product extension optional light source color of the actuating element material of the actuating element shape 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 plastic color of the front ring plastic color of the front plastic Display number of LED modules 1 General technical data product component light source insulation voltage rated value degree of pollution type of voltage of the operating voltage solve of the terminal Pe66, IP67, IP69(IP69K) I pound I plastic I	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 Pront ring	principle of operation of the actuating element	momentary contact type
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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 color of the front ring black Holder material of the holder Display number of LED modules foeneral technical data product function positive opening product component light source insulation voltage rated value 4 kV protection class IP offence (29.45 mm) 1 29.45 mm round 29.4	color of the actuating element	clear
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 holder material of the holder Plastic Display number of LED modules foeneral 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 29.45 mm 1 Yes Plastic Plastic 1 General technical data product function positive opening Yes insulation voltage rated value 4 kV protection class IP of the terminal 1 P66, IP67, IP69(IP69K) IP20, clamping screw tightened	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 1 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 of the terminal yes Pes Pes(, IP67, IP69(IP69K) product camponent light source to the terminal protection class IP of the terminal		round
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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 1 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 Ac/DC surge voltage resistance rated value protection class IP of the terminal Pyes Standard Plastic Plastic Plastic 1 1 Ceneral technical data Yes yes insulation 320 V degree of pollution 3 AC/DC surge voltage resistance rated value 4 kV protection class IP iP66, IP67, IP69(IP69K) iP20, clamping screw tightened	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 front function positive opening 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 objects front ring plastic pl	Front ring	
material of the front ring color of the front ring black Holder material of the holder Plastic Display number of LED modules froduct function positive opening product component light source insulation voltage rated value surge of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP of the terminal plastic p	product component front ring	Yes
tolor of the front ring black Holder material of the holder Plastic Display number of LED modules 1 General technical data product function positive opening Yes product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) ● of the terminal IP20, clamping screw tightened	design of the front ring	Standard
Holder material of the holder Plastic Display number of LED modules 1 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 protection class IP of the terminal Plastic Plastic Plastic Plastic Plastic 1 Concluded A C/DC AC/DC Surge voltage resistance rated value 4 kV Protection class IP IP66, IP67, IP69(IP69K) IP20, clamping screw tightened	material of the front ring	plastic
Display Plastic number of LED modules 1 General technical data Yes product function positive opening Yes product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20, clamping screw tightened	color of the front ring	black
Display number of LED modules 1 General technical data product function positive opening Yes product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20, clamping screw tightened	Holder	
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General technical data product function positive opening Yes product component light source Yes insulation voltage rated value 320 V degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) of the terminal IP20, clamping screw tightened	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 Yes Yes 320 V AC/DC 4 kV Protection class IP IP66, IP67, IP69(IP69K) IP20, clamping screw tightened	number of LED modules	1
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 320 V AC/DC 4 kV IP66, IP67, IP69(IP69K) IP66, IP67, IP69(IP69K) IP20, clamping screw tightened	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 insulation voltage rated value AC/DC 4 kV IP66, IP67, IP69(IP69K) IP20, clamping screw tightened	product function positive opening	Yes
degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV protection class IP IP66, IP67, IP69(IP69K) • of the terminal IP20, clamping screw tightened	product component light source	Yes
type of voltage of the operating voltage surge voltage resistance rated value 4 kV protection class IP of the terminal IP20, clamping screw tightened	insulation voltage rated value	320 V
surge voltage resistance rated value 4 kV protection class IP • of the terminal IP20, clamping screw tightened	degree of pollution	3
protection class IP of the terminal IP66, IP67, IP69(IP69K) IP20, clamping screw tightened	type of voltage of the operating voltage	AC/DC
• of the terminal IP20, clamping screw tightened	surge voltage resistance rated value	4 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, clamping screw tightened
	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	3 000 000
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
Cumphyvaltage	million (5 V, 1 mA)
Supply voltage	AC
type of voltage of the supply voltage of the light source supply voltage of the light source at AC	AC
at 50 Hz rated value	110 V
• at 60 Hz rated value	110 V
Control circuit/ Control	110 V
	0.4
inrush current of LED module maximum	3 A
Auxiliary circuit	
design of the contact of auxilians contacts	Silver alloy
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	1
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	·
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals	1
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories	1
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²)
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²)
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²)
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²)
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number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 0x (1,0 1,5 mm²) 0x (1,0 1,5 mm²)
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	1 1 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting

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	

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=3SU1103-0AB70-1FA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-0AB70-1FA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-0AB70-1FA0-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=3SU1103-0AB70-1FA0-Z X90&lang=en

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