SIEMENS

Data sheet

3SU1102-0AB40-1BA0-Z Y10



Illuminated pushbutton, 22 mm, round, plastic, green, pushbutton, flat, momentary contact type, with holder, 1NO, LED module with integrated LED 24 V AC/DC, screw terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

product brand name SIRIUS ACT product designation Illuminated pushbuttons design of the product Complete unit product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number 9 • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied contact module 3SU1400-1AA10-1BA0 • of supplied contact module 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1001-0AB40-0AA0 • of the supplied actuator 3SU1001-0AB40-0AA0 • of the actuating element momentary contact type product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1	number t module at position 1 odule der uator oints	Illuminated pushbuttons Complete unit 3SU1 Plastic, black, 22 mm 3SU1400-1AA10-1BA0 3SU1401-1BB40-1AA0 3SU1550-0AA10-0AA0 3SU1001-0AB40-0AA0
design of the product Complete unit product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number 9 • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied LED module 3SU1400-1AA10-1BA0 • of supplied holder 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1001-0AB40-0AA0 • of the supplied actuator 3SU1001-0AB40-0AA0 number of command points 1 Actuator Button, flat momentary contact type product extension optional light source Yes color of the actuating element product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element 29.45 mm outer diameter of the actuating element 29.45 mm marking of the actuating element customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1	number t module at position 1 odule der uator oints	Complete unit 3SU1 Plastic, black, 22 mm <u>3SU1400-1AA10-1BA0</u> <u>3SU1401-1BB40-1AA0</u> <u>3SU1550-0AA10-0AA0</u> <u>3SU1001-0AB40-0AA0</u>
product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number • of supplied contact module at position 1 • of supplied LED module 3SU1400-1AA10-1BA0 • of supplied LED module 3SU1550-0AA10-0AA0 • of the supplied holder 3SU1001-0AB40-0AA0 • of the supplied actuator 3SU1001-0AB40-0AA0 number of command points 1 Actuator 4 design of the actuating element momentary contact type product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element zeven marking of the actuating element 29.45 mm marking of the actuating element customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1	number t module at position 1 odule der uator oints	3SU1 Plastic, black, 22 mm 3SU1400-1AA10-1BA0 3SU1401-1BB40-1AA0 3SU1550-0AA10-0AA0 3SU1001-0AB40-0AA0
product line Plastic, black, 22 mm manufacturer's article number of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied actuator asU1400-1AA10-1BA0 asU1400-1AA10-1BA0 asU1401-1BB40-1AA0 of the supplied holder of the supplied actuator asU1550-0AA10-0AA0 of the supplied actuator asU1001-0AB40-0AA0 number of command points 1 Actuator design of the actuating element product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element courd cuter diameter of the actuating element customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1	number t module at position 1 odule der uator oints	Plastic, black, 22 mm <u>3SU1400-1AA10-1BA0</u> <u>3SU1401-1BB40-1AA0</u> <u>3SU1550-0AA10-0AA0</u> <u>3SU1001-0AB40-0AA0</u>
manufacturer's article number 3SU1400-1AA10-1BA0 • of supplied contact module at position 1 3SU1401-1BB40-1AA0 • of the supplied holder 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1001-0AB40-0AA0 • of the supplied actuator 3SU1001-0AB40-0AA0 number of command points 1 Actuator Button, flat principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element 29.45 mm outer diameter of the actuating element 29.45 mm marking of the actuating element 1 Front ring 1	t module at position 1 odule der uator oints	<u>3SU1400-1AA10-1BA0</u> <u>3SU1401-1BB40-1AA0</u> <u>3SU1550-0AA10-0AA0</u> <u>3SU1001-0AB40-0AA0</u>
• of supplied contact module at position 13SU1400-1AA10-1BA0• of supplied LED module3SU1401-1BB40-1AA0• of the supplied holder3SU1550-0AA10-0AA0• of the supplied actuator3SU1001-0AB40-0AA0number of command points1ActuatorActuatordesign of the actuating elementButton, flatprinciple of operation of the actuating elementmomentary contact typeproduct extension optional light sourceYescolor of the actuating elementgreenmaterial of the actuating elementplasticshape of the actuating elementroundouter diameter of the actuating element29.45 mmmarking of the actuating elementCustomized labeling, text in lower case / capital letters, all lines start with capital letternumber of contact modules1	t module at position 1 odule der uator oints	<u>3SU1401-1BB40-1AA0</u> <u>3SU1550-0AA10-0AA0</u> <u>3SU1001-0AB40-0AA0</u>
of supplied LED module of the supplied holder of the supplied holder of the supplied actuator of the supplied actuator of the supplied actuator asyling of the actuating element design 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 green material of the actuating element round outer diameter of the actuating element round uurdet astic shape of the actuating element momentary contact in lower case / capital letters, all lines start with capital letter number of contact modules 1 Front ring	odule der uator oints	<u>3SU1401-1BB40-1AA0</u> <u>3SU1550-0AA10-0AA0</u> <u>3SU1001-0AB40-0AA0</u>
• of the supplied holder 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1001-0AB40-0AA0 number of command points 1 Actuator 1 design of the actuating element Button, flat principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1	der uator oints	<u>3SU1550-0AA10-0AA0</u> <u>3SU1001-0AB40-0AA0</u>
• of the supplied actuator 3SU1001-0AB40-0AA0 number of command points 1 Actuator 1 design of the actuating element Button, flat principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1	uator oints	<u>3SU1001-0AB40-0AA0</u>
number of command points 1 Actuator Actuator design of the actuating element Button, flat principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1	oints	
Actuator design of the actuating element Button, flat principle of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1		
design of the actuating elementButton, flatprinciple of operation of the actuating elementmomentary contact typeproduct extension optional light sourceYescolor of the actuating elementgreenmaterial of the actuating elementplasticshape of the actuating elementroundouter diameter of the actuating element29.45 mmmarking of the actuating elementCustomized labeling, text in lower case / capital letters, all lines startnumber of contact modules1		1
principle of operation of the actuating elementmomentary contact typeproduct extension optional light sourceYescolor of the actuating elementgreenmaterial of the actuating elementplasticshape of the actuating elementroundouter diameter of the actuating element29.45 mmmarking of the actuating elementCustomized labeling, text in lower case / capital letters, all lines start with capital letternumber of contact modules1		
product extension optional light source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1 Front ring 1	element	Button, flat
color of the actuating element green material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1 Front ring 1	of the actuating element	momentary contact type
material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1 Front ring 1	al light source	Yes
shape of the actuating element round outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1 Front ring 1	ment	green
outer diameter of the actuating element 29.45 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1 Front ring 1	g element	plastic
marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of contact modules 1 Front ring 1	element	round
with capital letter number of contact modules 1 Front ring 1	ctuating element	29.45 mm
Front ring	g element	
	lules	1
product component front ring Yes		
	nt ring	Yes
design of the front ring Standard		Standard
material of the front ring plastic	g	plastic
color of the front ring black		black
Holder		
material of the holder Plastic		Plastic
Display		
number of LED modules 1	!S	1
General technical data		
product function positive opening No	opening	No
product component light source Yes		Yes
insulation voltage rated value 320 V	source	320 V
degree of pollution 3		3
type of voltage of the operating voltage AC/DC		
surge voltage resistance rated value 4 kV	value	AC/DC
protection class IP IP66, IP67, IP69(IP69K)	value erating voltage	

	1500
of the terminal	IP20
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
	10/01/2014
operating voltage • at AC	
	5 500 \/
— 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)
Supply voltage	
type of voltage of the supply voltage of the light source	AC/DC
supply voltage of the light source at AC	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
supply voltage 1 of the light source at DC rated value	24 V
Control circuit/ Control	
inrush current of LED module maximum	2.4
	2 A
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	1
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 mm ²)
 finely stranded with core end processing 	2x (0.5 1.5 mm ²)
 finely stranded without core end processing 	2x (1,0 1,5 mm ²)
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
type of light source	LED
color of the light source	green
light intensity	900 1 800 mcd
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, 3K6 (with relative air humidity of 10 95%, no
	condensation in operation permitted for all devices behind front panel)
Installation/ mounting/ dimensions	condensation in operation permitted for all devices behind front panel)

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	49.7 mm
Certificates/ approvals	
urther information	

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=3SU1102-0AB40-1BA0-Z Y10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB40-1BA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB40-1BA0-Z Y10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-0AB40-1BA0-Z Y10&lang=en

last modified:

1/26/2022 🖸