SIEMENS

Data sheet

3SU1102-0AB50-1FA0-Z Y10



Illuminated pushbutton, 22 mm, round, plastic, blue, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, 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	
 of supplied contact module at position 1 	<u>3SU1400-1AA10-1FA0</u>
 of supplied LED module 	<u>3SU1401-1BB50-1AA0</u>
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>
 of the supplied actuator 	<u>3SU1001-0AB50-0AA0</u>
number of command points	1
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	blue
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	
product component front ring	Yes
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	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
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	1, 2, 3, 51, 4, 47, 12, 13
	ainusaidal half waya 15a / 11 ma
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
contact renability	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	Noibo
at 50 Hz rated value	24 V
at 60 Hz rated value	24 V 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 A
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	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 with core end processing solid without core end processing 	2x (0.0 0.10 mm ²)
 finely stranded with core end processing 	2x (0.5 1.5 mm ²)
 finely stranded with core end processing finely stranded without core end processing 	2x (0.5 1.5 mm ²)
• at AWG cables	
at AWG cables	2x (18 14)
tightening torque of the screws in the bracket	2x (18 14) 1 1.2 N·m
tightening torque of the screws in the bracket tightening torque with screw-type terminals	2x (18 14)
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source type of the light source	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source the light source	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source light intensity	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source light intensity Ambient conditions	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 mcd
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature • during operation	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no
tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source light intensity Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC	2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 mcd -25 +70 °C -40 +80 °C

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	
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=3SU1102-0AB50-1FA0-Z Y10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB50-1FA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB50-1FA0-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=3SU1102-0AB50-1FA0-Z Y10&lang=en

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