## SIEMENS

## Data sheet

## 3SU1102-0AB50-1BA0



Illuminated pushbutton, 22 mm, round, plastic, blue, pushbutton, flat, momentary contact type, with holder, 1 NO, LED module with integrated LED 24 V AC/DC, screw terminal

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			
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1BA0</u>		
<ul> <li>of supplied LED module</li> </ul>	<u>3SU1401-1BB50-1AA0</u>		
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>		
<ul> <li>of the supplied actuator</li> </ul>	<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		
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	No		
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		
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13		
shock resistance			

	cisuscidal half wave d.C. / 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	40 500 11 5
• 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 (operating cycles) typical	3 000 000
electrical endurance (operating 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)
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 A
Auxiliary circuit	
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
	Silver alloy 0
design of the contact of auxiliary contacts	
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	0
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	0
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design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals
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design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm <sup>2</sup> ) 2x (1.0 1.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (1,0 1,5 mm <sup>2</sup> ) 2x (18 14) 1 1.2 N·m
design of the contact of auxiliary contacts         number of NC contacts for auxiliary contacts         number of NO contacts for auxiliary contacts         Connections/ Terminals         type of electrical connection         • of modules and accessories         type of connectable conductor cross-sections         • solid with core end processing         • solid without core end processing         • finely stranded with core end processing         • finely stranded without core end processing         • for AWG cables         tightening torque of the screws in the bracket         tightening torque with screw-type terminals	0 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)
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	22.3	mm		
nstallation diameter	0.4 m	nm		
	11 m	m		
	29.5	mm		
	49.7	mm		
roval				Declaration of Con- formity
	<u>Confirmation</u>		EAC	UK CA
Test Certificates		Marine / Shipping		
<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS	Lloyd's Register LRS	PRS
other	Environment			
Confirmation	Environmental Con- firmations			
	roval	nstallation diameter 0.4 n 11 m 29.5 49.7 roval Confirmation Test Certificates Special Test Certific- ate Type Test Certific- ates/Test Report other Environmental Con-	Installation diameter       0.4 mm         11 mm       29.5 mm         29.5 mm       49.7 mm    roval          Confirmation       Openation         Test Certificates       Marine / Shipping         Special Test Certificates       Type Test Certificates         Special Test Certificates       Type Test Certificates         other       Environmental Con-	Installation diameter     0.4 mm       11 mm     29.5 mm       29.5 mm     49.7 mm   roval        Forward     Image: Confirmation of the second

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1102-0AB50-1BA0

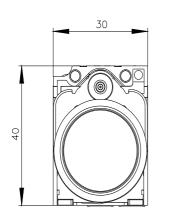
Cax online generator

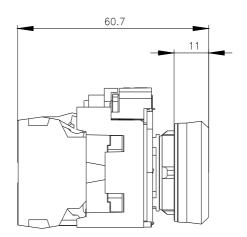
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB50-1BA0

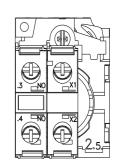
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

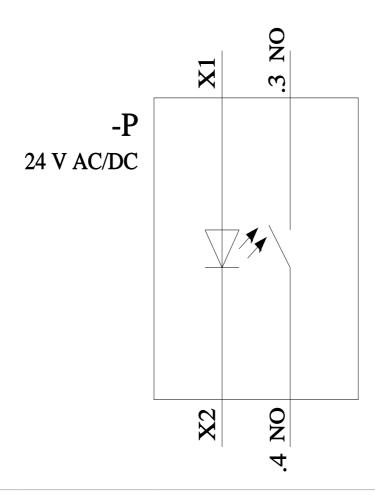
https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB50-1BA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1102-0AB50-1BA0&lang=en









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