SIEMENS

Data sheet

3SU1103-0AB70-1BA0-Z Y15



Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, flat, momentary contact type, with holder, 1NO, LED module with integrated LED 110 V AC, screw terminal, with laser labeling, upper case and lower case, Always upper case at the beginning of the word

product brand name StrikUs AC1 product disignation Illuminated pushbuttons design of the product Complete unit product type designation 3SU1 product type designation 3SU1 product time Plastic, black, 22 mm manufacturer's article number SU1400-1AA10-1BAQ • of supplied LED module SSU1401-1BC60-1AAQ • of the supplied holder SSU1401-1BC60-1AAQ • of the supplied actuator SSU1401-1BC60-1AAQ • of the supplied actuator SSU1401-1BC60-1AAQ • of the supplied actuator SSU14001-0AAQ • of the supplied actuation SSU14001-0AAQ • of the supplied actuation glement momentary contact type principte of operation of the actuating element momentary contact type product extension optional light source Yes color of the actuating element colar material of the actuating element coustomized labeling, text in lower case / capital letters, all words start with capital letters number of contact modules 1 Front ing Yes design of the front ring plastic <th></th> <th></th>		
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marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of contact modules 1 Front ring Yes design of the front ring Standard material of the front ring plastic color of the front ring black Holder Plastic material of the holder Plastic Display 1 General technical data 1 product function positive opening No product function positive opening 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	shape of the actuating element	round
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Front ring Yes gesign of the front ring Standard material of the front ring plastic color of the front ring black Holder Plastic material of the holder Plastic Display 1 General technical data 1 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	marking of the actuating element	
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Holder Plastic Display 1 number of LED modules 1 General technical data 1 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	material of the front ring	plastic
material of the holder Plastic Display 1 number of LED modules 1 General technical data 1 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	color of the front ring	black
Display 1 number of LED modules 1 General technical data Yes 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	Holder	
number of LED modules 1 General technical data	material of the holder	Plastic
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	Display	
product function positive openingNoproduct component light sourceYesinsulation voltage rated value320 Vdegree of pollution3type of voltage of the operating voltageAC/DCsurge voltage resistance rated value4 kV	number of LED modules	1
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	General technical data	
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	product function positive opening	No
degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV	product component light source	Yes
type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV	insulation voltage rated value	320 V
type of voltage of the operating voltage AC/DC surge voltage resistance rated value 4 kV	degree of pollution	3
surge voltage resistance rated value 4 kV		AC/DC
		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	
 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 50 Hz rated value	5 500 V
at 60 Hz fated value at DC rated value	5 500 V 5 500 V
	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
supply voltage of the light source at AC	
• at 50 Hz rated value	110 V
• at 60 Hz rated value	110 V
Control circuit/ Control	
	3 A
inrush current of LED module maximum	
Auxiliary circuit	
Auxiliary circuit design of the contact of auxiliary contacts	Silver alloy
Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	Silver alloy 0
Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	Silver alloy
Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	Silver alloy 0
Auxiliary circuit 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	Silver alloy 0 1 screw-type terminals
Auxiliary circuit 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	Silver alloy 0 1
Auxiliary circuit 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	Silver alloy 0 1 screw-type terminals
Auxiliary circuit 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	Silver alloy 0 1 screw-type terminals
Auxiliary circuit 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	Silver alloy 0 1 screw-type terminals Screw-type terminal
Auxiliary circuit 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	Silver alloy 0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²)
Auxiliary circuit 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	Silver alloy O 0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
Auxiliary circuit 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	Silver alloy 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)
Auxiliary circuit 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	Silver alloy 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) 2x (1,0 1,5 mm²)
Auxiliary circuit 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 • at AWG cables	Silver alloy 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) 2x (1,0 1,5 mm²) 2x (1,8 14)
Auxiliary circuit 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 • at AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals	Silver alloy 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) 2x (1,0 1,2 N·m
Auxiliary circuit 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 • at AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp	Silver alloy 0 1 screw-type terminals Screw-type terminal $2x (0.5 \dots 0.75 \text{ mm}^2)$ $2x (1.0 \dots 1.5 \text{ mm}^2)$ $2x (0.5 \dots 1.5 \text{ mm}^2)$ $2x (1,0 \dots 1.5 \text{ mm}^2)$ $2x (1,0 \dots 1,5 \text{ mm}^2)$ $2x (1.0 \dots 1.5 \text{ mm}^2)$ $2x (1.0 \dots 0.5 \text{ mm}^2)$ $0.8 \dots 0.9 \text{ N·m}$
Auxiliary circuit 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 • at AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source	Silver alloy 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) 2x (1,0 1,5 mm²) 2x (1,8 14) 1 1.2 N·m 0.8 0.9 N·m
Auxiliary circuit 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 • finely stranded with core end processing • finely stranded without core end processing • at AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source	Silver alloy 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) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
Auxiliary circuit 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 with core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables 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	Silver alloy 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) 2x (1,0 1,5 mm²) 2x (1,8 14) 1 1.2 N·m 0.8 0.9 N·m
Auxiliary circuit 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 • at AWG cables 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	Silver alloy 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) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
Auxiliary circuit 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 • at AWG cables 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	Silver alloy 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) 2x (1,0 1,4) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd
Auxiliary circuit 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 with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • at AWG cables 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	Silver alloy 0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (1.0 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED white 900 1 400 mcd
Auxiliary circuit 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 with core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables 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	Silver alloy 0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (1.0 1.
Auxiliary circuit 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 with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • at AWG cables 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	Silver alloy 0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (1.0 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (1,0 1,7 mm ²) 2x (1,0 1,7 m ²) 2x (1,0
Auxiliary circuit 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 with core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables 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 60721	Silver alloy 0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (1.0 1.
Auxiliary circuit 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 with core end processing • finely stranded with core end processing • finely stranded with core end processing • at AWG cables 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	Silver alloy 0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (1.0 1.

 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	
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=3SU1103-0AB70-1BA0-Z Y15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-0AB70-1BA0-Z Y15

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-0AB70-1BA0-Z Y15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1103-0AB70-1BA0-Z Y15&lang=en

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