## **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, with laser labeling, symbol number according to, ISO 7000 or IEC 60417

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>	3SU1400-1AA10-1FA0	
<ul> <li>of supplied LED module</li> </ul>	3SU1401-1BC60-1AA0	
<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0	
of the supplied actuator	3SU1001-0AB70-0AA0	
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	clear	
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, graphical symbols acc. to ISO7000 and IEC60417	
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	

	4.0.0.0D 4.4V 40.40
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	
<ul><li>according to IEC 60068-2-6</li></ul>	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
	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	3 A
inrush current of LED module maximum Auxiliary circuit	
inrush current of LED module maximum  Auxiliary circuit  design of the contact of auxiliary contacts	Silver alloy
inrush current of LED module maximum  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	Silver alloy 1
inrush current of LED module maximum  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
inrush current of LED module maximum  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	Silver alloy 1 1
inrush current of LED module maximum  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  1 1 screw-type terminals
inrush current of LED module maximum  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 1 1
inrush current of LED module maximum  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  1  1  screw-type terminals Screw-type terminal
inrush current of LED module maximum  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  1  1  screw-type terminals Screw-type terminal  2x (0.5 0.75 mm²)
inrush current of LED module maximum  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  1  1  screw-type terminals  Screw-type terminal  2x (0.5 0.75 mm²)  2x (1.0 1.5 mm²)
inrush current of LED module maximum  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  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)
inrush current of LED module maximum  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 of inely stranded with core end processing of inely stranded without core end processing	Silver alloy  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)
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inrush current of LED module maximum  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 ofinely stranded with core end processing ofinely stranded without core end processing of the strews in the bracket tightening torque with screw-type terminals	Silver alloy  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)
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inrush current of LED module maximum  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  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 (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)
inrush current of LED module maximum  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 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 60721  Installation/ mounting/ dimensions	Silver alloy  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

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

## 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 Y13

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-0AB70-1FA0-Z Y13

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-0AB70-1FA0-Z Y13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1103-0AB70-1FA0-Z Y13&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1103-0AB70-1FA0-Z Y13&lang=en</a>

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