## SIEMENS

## Data sheet

## 3SU1102-0AB70-1FA0

	Illuminated pushbutton, 22 mm, round, plastic, clear, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, 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>3SU1400-1AA10-1FA0</u>
<ul> <li>of supplied LED module</li> </ul>	<u>3SU1401-1BB60-1AA0</u>
• of the supplied holder	3SU1550-0AA10-0AA0
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1001-0AB70-0AA0</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	clear
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	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	
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	cipuscidal half wave 15 a / 11 ma
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms

<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
<ul> <li>for railway applications according to EN 61373</li> </ul>	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	
<ul> <li>at 50 Hz rated value</li> </ul>	24 V
<ul> <li>at 60 Hz rated value</li> </ul>	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
<ul> <li>of modules and accessories</li> </ul>	Screw-type terminal
type of connectable conductor cross-sections	21 21
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm <sup>2</sup> )
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
Lamp	
type of light source	LED
color of the light source	white
light intensity	900 1 400 mcd
Ambient conditions	
ambient temperature	
during operation	
	-25 +70 °C
during operation     orage	-25 +70 °C -40 +80 °C
during storage     environmental category during operation according to IEC	-40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no
during storage	-40 +80 °C
during storage     environmental category during operation according to IEC	-40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no
during storage environmental category during operation according to IEC 60721	-40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no
during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions	-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)
• during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method	-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) front plate mounting
• during storage     environmental category during operation according to IEC     60721 Installation/ mounting/ dimensions fastening method     • of modules and accessories	-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) front plate mounting Front plate mounting
• during storage     environmental category during operation according to IEC     60721 Installation/ mounting/ dimensions fastening method     • of modules and accessories height width shape of the installation opening	-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) front plate mounting Front plate mounting 40 mm 30 mm round
• during storage     environmental category during operation according to IEC     60721 Installation/ mounting/ dimensions fastening method     • of modules and accessories height width	-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) front plate mounting Front plate mounting 40 mm 30 mm

mounting height installation width installation depth Certificates/ approva	ls	11 m 29.5 71.7	mm		
General Product A					Declaration of Conformity
SP SM	<u>Confirmation</u>	CCC		EAC	UK CA
Declaration of Conformity	Test Certificates		Marine / Shipping		
CE EG-Konf.	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	ABS	Llovd's Register uts	PRS
Marine / Shipping		other			
	KMRS	Environmental Con- firmations	<u>Confirmation</u>		
Further information					
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/on/on/Catalog/product2mlfb=3SU1102_0AP70_1E40					

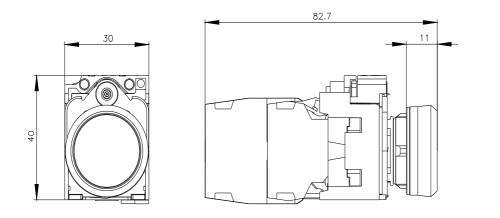
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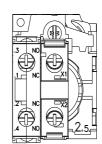
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB70-1FA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB70-1FA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1102-0AB70-1FA0&lang=en





-P = 24 V AC/DC  $\overrightarrow{X} \quad \overrightarrow{\nabla} \quad \overrightarrow{\nabla} \quad \overrightarrow{\nabla}$   $\overrightarrow{\nabla} \quad \overrightarrow{\nabla} \quad \overrightarrow{\nabla}$ 

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