**Data sheet** 

## 3SU1132-0AB70-3FA0



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, clear, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, Spring-type terminal

product brand name	SIRIUS ACT
product designation	Illuminated pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Plastic with metal front ring, matt, 22 mm
manufacturer's article number	
<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-3FA0
<ul> <li>of supplied LED module</li> </ul>	3SU1401-1BB60-3AA0
<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
<ul> <li>of the supplied actuator</li> </ul>	3SU1031-0AB70-0AA0
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
number of contact modules	1
Front ring	
product component front ring	Yes
design of the front ring	Standard
material of the front ring	Metal, matt
color of the front ring	sand gray
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
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
<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	
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	
	Silver alloy
design of the contact of auxiliary contacts	Silver alloy
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	1
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals	1 1
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	1 1 spring-loaded terminals
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	1 1
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	1 1 spring-loaded terminals Spring-type terminal
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 without core end processing	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²)
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	spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²)
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 without core end processing of finely stranded with core end processing of finely stranded without core end processing	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²)
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	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16)
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 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	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²)
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	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 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	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) LED
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 without core end processing  inely stranded with core end processing  inely stranded without core end processing  finely stranded without core end processing  for AWG cables  tightening torque of the screws in the bracket  Lamp  type of light source  color of the light source	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED white
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 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  Lamp  type of light source  color of the light source  light intensity	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (0.24 16) 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 without core end processing  inlely stranded with core end processing  inlely stranded without core end processing  finely stranded without core end processing  for AWG cables  tightening torque of the screws in the bracket  Lamp  type of light source  color of the light source  light intensity  Ambient conditions	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED white
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	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) LED white 900 1 400 mcd
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 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  Lamp  type of light source  color of the light source  light intensity  Ambient conditions  ambient temperature  during operation	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (0.24 16) 1 1.2 N·m  LED white 900 1 400 mcd
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 without core end processing  inley stranded with core end processing  inley stranded without core end processing  finely stranded without core end processing  for AWG cables  tightening torque of the screws in the bracket  Lamp  type of light source  color of the light source  light intensity  Ambient conditions  ambient temperature  during operation  during storage	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED white 900 1 400 mcd  -25 +70 °C -40 +80 °C
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 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  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	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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
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 without core end processing  inley stranded with core end processing  inley stranded without core end processing  finely stranded without core end processing  for AWG cables  tightening torque of the screws in the bracket  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	1 1 spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 N·m  LED white 900 1 400 mcd  -25 +70 °C -40 +80 °C
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 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  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	spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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)
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 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  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  fastening method	spring-loaded terminals  Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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)
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  inley stranded with core end processing  inley stranded without co	spring-loaded terminals  Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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)  front plate mounting Front plate mounting
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  inley stranded with core end processing  inley stranded without co	spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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)  front plate mounting Front plate mounting Front plate mounting 40 mm
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	spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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)  front plate mounting Front plate mounting Front plate mounting 40 mm 30 mm
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	spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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)  front plate mounting Front plate mounting 40 mm 30 mm round
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	spring-loaded terminals Spring-type terminal  2x (0.25 1.5 mm²) 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 1 1.2 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)  front plate mounting Front plate mounting Front plate mounting 40 mm 30 mm

mounting height	11 mm
installation width	29.5 mm
installation depth	71.7 mm

Certificates/ approvals

**General Product Approval** 

Declaration of Conformity



Confirmation









**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

## Further information

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=3SU1132-0AB70-3FA0

Cax online generator

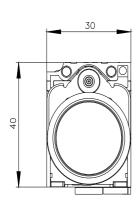
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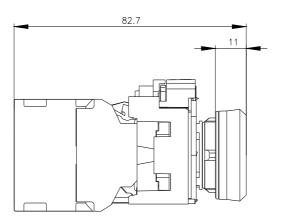
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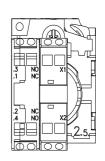
https://support.industry.siemens.com/cs/ww/en/ps/3SU1132-0AB70-3FA0

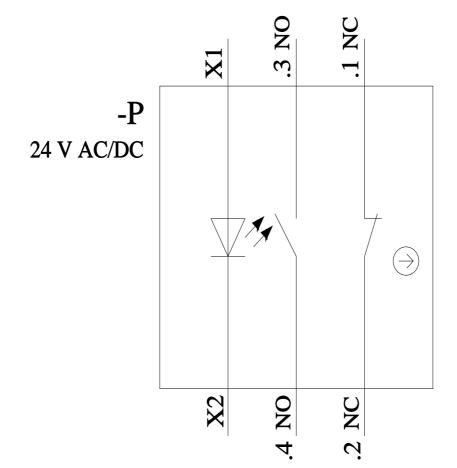
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1132-0AB70-3FA0&lang=en



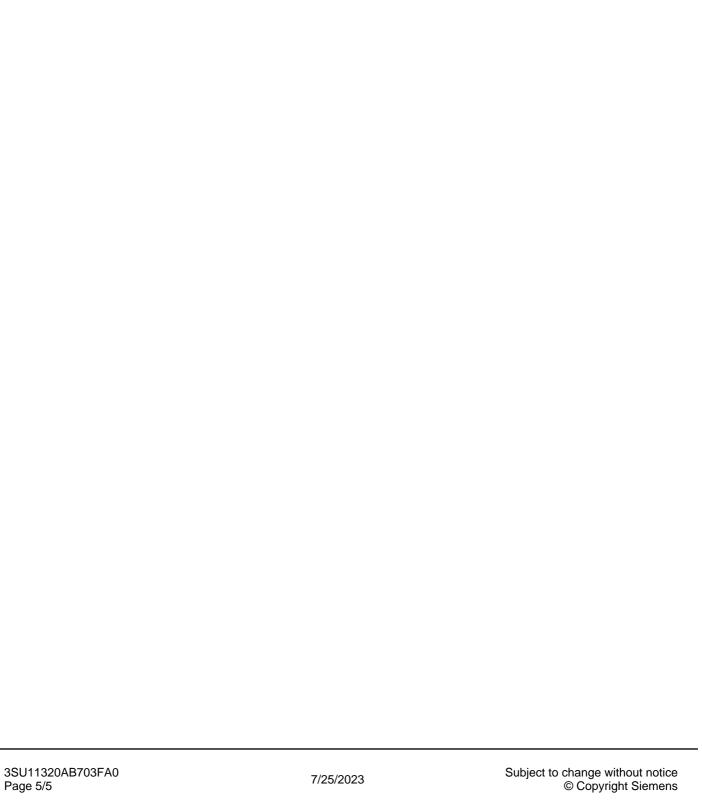






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