## **Data sheet**



Illuminated pushbutton, 22 mm, round, plastic, white, 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>	3SU1400-1AA10-1BA0
<ul> <li>of supplied LED module</li> </ul>	3SU1401-1BB60-1AA0
<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
of the supplied actuator	3SU1001-0AB60-0AA0
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	white
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	

• 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 (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
SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8
	2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5
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
	2 A
	4.0
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  number of NO contacts for auxiliary contacts  Connections/ Terminals	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	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 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 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	Silver alloy  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 of solid without core end processing of finely stranded with core end processing of 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 (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 of solid without core end processing of inely stranded with core end processing of inely stranded without core end processing of a NWG 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)
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 solid without core end processing of finely stranded with core end processing of finely stranded without core end processing of for AWG cables  tightening torque of the screws in the bracket	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 (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²)
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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  Screw-type terminal  2x (0.5 0.75 mm²)  2x (1.0 1.5 mm²)  2x (0.5 1.5 mm²)  2x (0.4.0 1.5 mm²)  2x (1.0 1.5 mm²)  2x (1.0 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  finely stranded without core end processing  for 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 (1,0 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 of solid without core end processing of inely stranded with core end processing of inely stranded without core end processing of a NWG 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 (0.5 1.5 mm²)  2x (1,0 1,5 mm²)  2x (1,0 1,5 mm²)  2x (1,0 1,5 mm²)  LED  white
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  for 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 (1,0 1,5 mm²)  2x (18 14)  1 1.2 N·m  0.8 0.9 N·m
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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  for 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 (0.5 1.5 mm²)  2x (1,0 1,5 mm²)  2x (1,0 1,5 mm²)  2x (1,0 1,5 mm²)  LED  white
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  Screw-type terminal  2x (0.5 0.75 mm²)  2x (1.0 1.5 mm²)  2x (0.5 1.5 mm²)  2x (0.5 1.5 mm²)  2x (1,0 1,5 mm²)  2x (1,0 1,5 mm²)  2x (1,0 1,5 mm²)  LED  white
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 solid without core end processing of inely stranded with core end processing of rawg 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 (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 0x (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 of inely stranded with core end processing of inely stranded without core end processing of raw colles  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 of during operation of during storage environmental category during operation according to IEC	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  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
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  finely stranded without core end processing  for 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 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
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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 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)
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  for 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  fastening method	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)  3x (1.0 1,5 mm²)  3x (1.0 1,5 mm²)  4x (1.0 1,5 mm²)  5x (1.0 1,5 mm²)  2x

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

**General Product Approval** 

**Declaration of Con-**



Confirmation









**Declaration of Con**formity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

**Special Test Certific-**







Marine / Shipping

other

**Environment** 



Confirmation

**Environmental Confirmations** 

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=3SU1102-0AB60-1BA0

Cax online generator

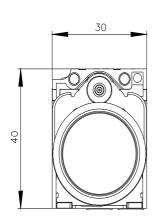
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB60-1BA0

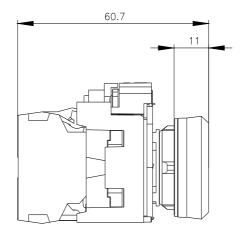
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

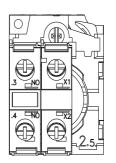
https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB60-1BA0

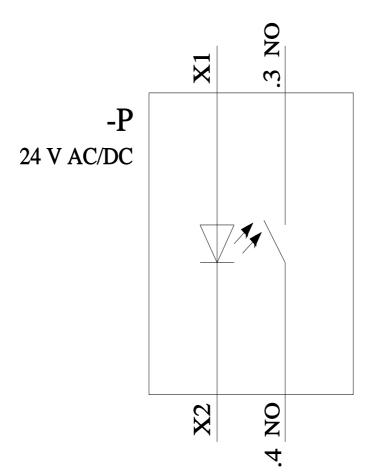
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1102-0AB60-1BA0&lang=en









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