SIEMENS

Data sheet

3SU1102-0AB60-1BA0



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 nameSIRIUS ACTproduct designationIlluminated pushbuttonsdesign of the productComplete unitproduct type designation3SU1product linePlastic, black, 22 mmmanufacturer's article number-• of supplied contact module at position 13SU1400-1AA10-1BA0• of supplied LED module3SU1401-1BB60-1AA0• of the supplied holder3SU1550-0AA10-0AA0• of the supplied actuator3SU101-0AB60-0AA0• of the supplied actuator1Actuator1design of the actuating elementmomentary contact typeproduct extension optional light sourceYescolor of the actuating elementwhitematerial of the actuating elementplasticshape of the actuating elementround
design of the product Complete unit product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number - • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied LED module 3SU1401-1BB60-1AA0 • of the supplied holder 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1001-0AB60-0AA0 number of command points 1 Actuator 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
product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number - • of supplied contact module at position 1 3SU1400-1AA10-1BA0 • of supplied LED module 3SU1401-1BB60-1AA0 • of the supplied holder 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1001-0AB60-0AA0 • of the supplied actuator 3SU1001-0AB60-0AA0 number of command points 1 Actuator 1 design 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
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• of the supplied actuator 3SU1001-0AB60-0AA0 number of command points 1 Actuator 1 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
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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
product extension optional light source Yes color of the actuating element white material of the actuating element plastic
color of the actuating element white material of the actuating element plastic
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

	ainvasidal half verva d.E.e. / 11 ma
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
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
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver allov
design of the contact of auxiliary contacts	Silver alloy 0
number of NC contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals	0 1
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection	0 1 screw-type terminals
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories	0 1
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	0 1 screw-type terminals Screw-type terminal
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	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²)
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	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²)
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	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²)
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	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²)
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	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14)
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	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²)
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	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14)
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 of AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (1,0 1,2 N·m
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	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²)
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 • 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	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 (1,0 1,5 mm²) LED white
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 • 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	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²)
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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 of r 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 	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 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
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 Ambient conditions ambient temperature during operation 	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (
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 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 autions aution goperation during operation during storage 	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 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) 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
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 Ambient conditions ambient temperature during operation 	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 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
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 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 autions aution autions aution autions euring operation during storage environmental category during operation according to IEC 	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 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) 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
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 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 aution goperation during operation during storage environmental category during operation according to IEC 60721 	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 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) 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
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 Ambient conditions ambient temperature during storage environmental category during operation according to IEC 60721 	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 (
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 Ambient conditions ambient temperature during storage environmental category during operation according to IEC 60721 	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 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) 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)
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 Ambient conditions aubient temperature during operation during storage environmental category during operation according to IEC 60721 Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	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 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) Yes 0.787 kg
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 with 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 aubient temperature during operation during storage environmental category during operation according to IEC 60721 Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (1.0 1.5 mm²) 2x (1,0 1,5
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 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 60721 Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5

fastening method	front plate mounting
 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
Approvals Certificates	

General Product Approval

Declaration of Conformity

() E	<u>Confirmation</u>			EHC	UK CA
Declaration of Con- formity	Test Certificates		Marine / Shipping		
CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloydis Register uxs	PRS
Marine / Shipping	other	Environment			
RINA	<u>Confirmation</u>	Environmental Con- firmations			

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=3SU1102-0AB60-1BA0

Cax online generator

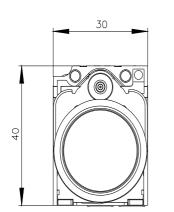
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB60-1BA0

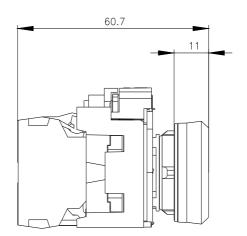
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

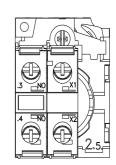
https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB60-1BA0

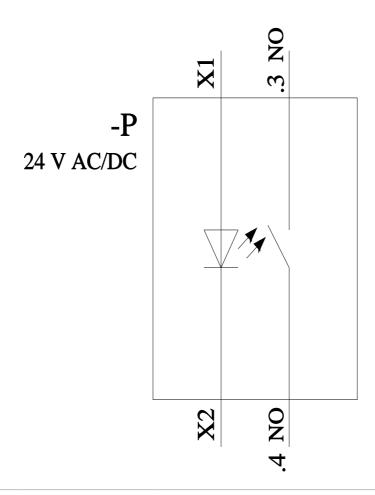
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

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









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