3SU1100-2BL60-3NA0

## **Data sheet**



Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, short, 3 switch positions I-O-II, latching, 10:30h/12h/13:30h, with holder, 1 NO, 1 NO, Spring-type terminal

product brand name	SIRIUS ACT	
product designation	Selector switches	
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>	3SU1400-1AA10-3BA0	
<ul> <li>of supplied contact module at position 2</li> </ul>	3SU1400-1AA10-3BA0	
<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0	
<ul> <li>of the supplied actuator</li> </ul>	3SU1002-2BL60-0AA0	
Enclosure		
number of command points	1	
Actuator		
design of the actuating element	Selector, short	
principle of operation of the actuating element	latching, 2x45° (10:30 h/12 h/13:30 h)	
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	32.3 mm	
number of contact modules	2	
number of switching positions	3	
actuating angle		
• clockwise	45°	
<ul> <li>anticlockwise</li> </ul>	45°	
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	0	
General technical data		
product function positive opening	No	
product component light source	No	
insulation voltage rated value	500 V	
degree of pollution	3	
type of voltage of the operating voltage	AC/DC	

Protection class IP	surge voltage resistance rated value	6 kV
event for the terminal life degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 elever explanance 4 excording to IEC 60088-2-27 eleverating to IEC 60088-2-27 eleverating to IEC 60088-2-27 eleverating to IEC 60088-2-48 eleverating to IEC 60088-2-49 eleverating for IEC 600		
degree of protection NEMA rating shock resistance a according to IEC 60088-2-87 for inlively applications according to EN 61973 category 1, Class 8 substance resistance a according to IEC 60088-2-8 for inlively applications according to EN 61973 category 1, Class 8 substance resistance a according to IEC 60088-2-8 for inlively applications according to EN 61973 category 1, Class 8 substance resistance advances (paperating cycles) typical for inlively applications according to EN 61973 category 1, Class 8 substance Prohibition (paperating cycles) typical federate indurance (operating cycles) typical federate indurance operating cycles typical federate indurance operating cycles typical federate indurance operating operation indurance	•	
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For railway applications according to EN 61373   Category 1, Class B		sinusoidal half-wave 15g / 11 ms
vibration resistance  * according to IEC 60068-2-6  * for rainway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1 500 1/m  1	•	-
**according to IEC 60968-24     **Or railway applications according to EN 61373     **Operating frequency maximum     **mechanical service life (operating cycles) typical     **incomparize the content of the Con		Catagory 1, Class B
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continuous current of the quick DIAZED fuse link g0  Substance Prohibitance (Date)  operating voltage  • at AC  — at 50 Hz rated value  Substance Prohibitance (GV, 1 mA)  Auxillary circuit  design of the contact of auxillary contacts _ number of NC contacts for auxillary contacts _ number of NC contacts for auxillary contacts _ number of NC contacts for auxillary contacts _ of modules and accessories  Spring-loaded terminals  Type of electrical connection _ of modules and accessories — solid without core and processing _ for AVMC cables _ solid without core and processing _ solid value with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to SN 31920 _ with high demand rate according to		
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Substance Prohibitance (Date)  operating voltage  • at AC  — at 50 Hz rated value  • at DC  — at 50 Hz rated value  • at DC  • at DC rated value  • at DC ra		
operating voltage  • at AC  — at 50 Hz rated value  • at DC rated value  5 500 V  Power Electronics  contact reliability  (5 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts  number of NC contacts for auxiliary contacts  10 number of NC contacts for auxiliary contacts  20 number of NC contacts for auxiliary contacts  21 number of NC contacts for auxiliary contacts  22 number of NC contacts for auxiliary contacts  23 pring-lyps terminal  24 (0.25 1.6 mm²)  15 inely stranded with core end processing  26 (0.25 1.5 mm²)  27 (0.25 1.5 mm²)  28 (0.25 1.5 mm²)  29 (0.25 1.5 mm²)  29 (0.25 1.5 mm²)  20 (0		
• at AC     — at 50 Hz rated value     — at 60 Hz rated value     • at DC rated value     S500 V  Power Electronics  contact reliability     One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million     (6 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts     sumber of NC contacts for auxiliary contacts     0     number of NC contacts for auxiliary contacts     2  Connections/ Terminals  type of electrical connection     • of modules and accessories     • solid without core end processing     • of modules and accessories     • 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  1 1.2 Nm  Safety related data  B10 value with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate a	· · · · ·	
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Auxiliary circuit design of the contact of auxiliary contacts     sumber of NC contacts for auxiliary contacts     number of NO contacts for auxiliary contacts 2  Connections/ Terminals  type of electrical connection     of modules and accessories  * solid without core end processing     of nely stranded with core end processing     of new yet stranded with core end processing     of raw (2.5 1.5 mm²)     of raw (2		One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million
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number of NO contacts for auxiliary contacts  connections/ Terminals  type of electrical connection		
type of electrical connection  • of modules and accessories  spring-loaded terminals  type of connectable conductor cross-sections  • 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  B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  • with now demand rate according to SN 31920  ambient temperature  • during operation  • during operation  • during storage  • viting operation  • during storage  • viting operation  • during operation  • during storage  • front plate mounting dimensions  fastening method  • of modules and accessories  Front plate mounting  height  width  32.3 mm  shape of the installation opening  mounting diameter  22.3 mm  positive tolerance of installation diameter  0.4 mm		
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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         • finely stranded without core end processing         • for AWG cables         • for AWG cables         • 2x (0.25 1.5 mm²)         • for AWG cables         • 2x (24 16)  tightening torque of the screws in the bracket  B10 value with high demand rate according to SN 31920  proportion of dangerous failures         • with low demand rate according to SN 31920  with high demand rate according to SN 31920  with high demand rate according to SN 31920  with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  during operation         -25 +70 °C  during storage  environmental category during operation according to IEC con2721  cenvironmental category during operation according to IEC soft according to IEC con2721  installation/ mounting/ dimensions  fastening method  of modules and accessories  Front plate mounting  height  40 mm  width  shape of the installation opening  mounting diameter  22.3 mm  positive tolerance of installation diameter  0.4 mm		and a leaded to make the
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finely stranded with core end processing   2x (0.25 0.75 mm²)     finely stranded without core end processing   2x (0.25 1.5 mm²)     for AWG cables   2x (24 16)     tightening torque of the screws in the bracket   1 1.2 N·m     Safety related data     B10 value with high demand rate according to SN 31920   300 000     proportion of dangerous failures   with low demand rate according to SN 31920   20 %     with low demand rate according to SN 31920   20 %     with high demand rate according to SN 31920   20 %     failure rate [FIT] with low demand rate according to SN 31920   100 FIT     Ambient conditions   ambient temperature   during operation   -25 +70 °C     during storage   -40 +80 °C   3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)     Installation/ mounting/ dimensions   Front plate mounting     height		2v (0.25 4.5 mm²)
• finely stranded without core end processing     • for AWG cables     2x (24 16)  tightening torque of the screws in the bracket  B10 value with high demand rate according to SN 31920  proportion of dangerous failures     • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with nigh demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  condensation in operation permitted for all devices behind front panel)  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  Front plate mounting  height  40 mm  width  32.3 mm  shape of the installation opening  mounting diameter  22.3 mm  positive tolerance of installation diameter  0.4 mm	· · · · · · · · · · · · · · · · · · ·	
• for AWG cables     tightening torque of the screws in the bracket     1 1.2 N·m  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  and 386, 382, 382, 383, 386 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  Front plate mounting  width  32.3 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  0.4 mm		
tightening torque of the screws in the bracket  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  • during storage  environmental category during operation according to IEC  60721  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  height  width  32.3 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  1 1.2 N·m  1 1.2		
B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  condensation in operation permitted for all devices behind front panel)  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  Front plate mounting  height  40 mm  width  32.3 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  0.4 mm		
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proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  height  width  shape of the installation opening  mounting diameter  pwith low demand rate according to SN 31920  20 %  20 %  100 FIT  21		300 000
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>100 FIT</li> </ul> Ambient conditions <ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> <li>fastening method</li> <li>of modules and accessories</li> <li>height</li> <li>width</li> <li>shape of the installation opening</li> <li>mounting diameter</li> <li>positive tolerance of installation diameter</li> </ul> 20 % <ul> <li>20 %</li> <li>20 %</li> <li>20 %</li> </ul> 20 % <ul> <li>20 %</li> </ul> 20 % <ul> <li>20 %</li> </ul> 20 % <ul> <li>20 %</li> </ul> 100 FIT <ul> <li>Ambient conditions</li> <li>40 mm</li> <li>30.3 mm</li> </ul> shape of the installation opening <ul> <li>round</li> <li>round</li> <li>positive tolerance of installation diameter</li> <li>20 %</li> </ul> 20 % <ul> <li>20 %</li> <li>20 %</li> </ul> 100 FIT 25 +70 °C <ul> <li>-40 +80 °C</li> </ul> 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  11 Front plate mounting <ul> <li>40 mm</li> </ul> 32.3 mm <ul> <li>shape of the installation opening</li> <li>round</li> <li>round</li> </ul> 90.4 mm		
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature     • during operation     • during storage     environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method     • of modules and accessories  Front plate mounting  width     32.3 mm  shape of the installation opening     mounting diameter  positive tolerance of installation diameter  20 %  100 FIT		20 %
failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage • during storage • environmental category during operation according to IEC 60721  ambient temperature  • during storage • -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Installation/ mounting/ dimensions  fastening method • of modules and accessories  Front plate mounting height 40 mm  width 32.3 mm  shape of the installation opening mounting diameter 22.3 mm  positive tolerance of installation diameter  0.4 mm	-	
Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  installation/ mounting/ dimensions  fastening method  • of modules and accessories  height  width  32.3 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Front plate mounting  40 mm  vidth  32.3 mm  positive tolerance of installation diameter  0.4 mm		
<ul> <li>during operation         <ul> <li>during storage</li> <li>-40 +80 °C</li> </ul> </li> <li>environmental category during operation according to IEC 60721</li> <li>Installation/ mounting/ dimensions</li> <li>fastening method         <ul> <li>of modules and accessories</li> <li>Front plate mounting</li> </ul> </li> <li>height         <ul> <li>40 mm</li> <li>width</li> <li>shape of the installation opening</li> <li>mounting diameter</li> <li>positive tolerance of installation diameter</li> </ul> </li> <li>-25 +70 °C         <ul> <li>-40 +80 °C</li> </ul> </li> <li>3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)</li> </ul>		
<ul> <li>◆ during storage</li> <li>-40 +80 °C</li> <li>environmental category during operation according to IEC 60721</li> <li>Installation/ mounting/ dimensions</li> <li>fastening method</li> <li>◆ of modules and accessories</li> <li>Front plate mounting</li> <li>height</li> <li>width</li> <li>shape of the installation opening</li> <li>mounting diameter</li> <li>positive tolerance of installation diameter</li> </ul>	ambient temperature	
environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Installation/ mounting/ dimensions  fastening method  of modules and accessories  Front plate mounting  height  40 mm  width  32.3 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  0.4 mm	during operation	-25 +70 °C
60721 condensation in operation permitted for all devices behind front panel)  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  Front plate mounting  height  40 mm  width  32.3 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  0.4 mm	during storage	-40 +80 °C
Installation/ mounting/ dimensions  fastening method		
● of modules and accessories  Front plate mounting  40 mm  width 32.3 mm  shape of the installation opening round mounting diameter 22.3 mm  positive tolerance of installation diameter  0.4 mm	Installation/ mounting/ dimensions	
height 40 mm width 32.3 mm shape of the installation opening round mounting diameter 22.3 mm positive tolerance of installation diameter 0.4 mm	fastening method	
height 40 mm  width 32.3 mm  shape of the installation opening round  mounting diameter 22.3 mm  positive tolerance of installation diameter 0.4 mm	<ul> <li>of modules and accessories</li> </ul>	Front plate mounting
width     32.3 mm       shape of the installation opening     round       mounting diameter     22.3 mm       positive tolerance of installation diameter     0.4 mm	height	
mounting diameter 22.3 mm positive tolerance of installation diameter 0.4 mm		32.3 mm
mounting diameter     22.3 mm       positive tolerance of installation diameter     0.4 mm	shape of the installation opening	round
positive tolerance of installation diameter 0.4 mm		22.3 mm
mounting height 28.8 mm	•	0.4 mm
	mounting height	28.8 mm

32.3 mm installation width installation depth 49.7 mm

**General Product Approval** 

**Declaration of Con**formity



Confirmation









**Declaration of Con**formity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certific-







Marine / Shipping

other

**Environment** 



Confirmation

Environmental Confirmations

## Further information

Siemens has decided to exit the Russian market (see here).

ind-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=3SU1100-2BL60-3NA0

Cax online generator

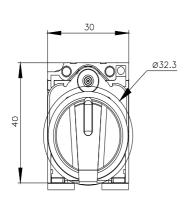
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-2BL60-3NA0

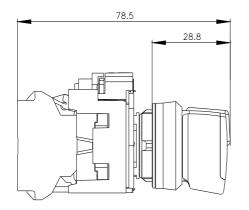
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

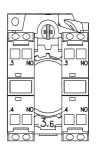
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-2BL60-3NA0

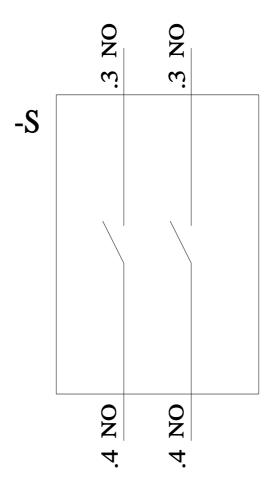
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-2BL60-3NA0&lang=en









last modified: 1/26/2022 🖸

