## **SIEMENS**

## **Data sheet**

## 3SU1150-2BL60-1LA0



Selector switch, illuminable, 22 mm, round, metal, shiny, white, selector switch, short, 3 switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h, with holder, 2x1NO+1NC, screw terminal

product brand name     SIRIUS ACT       product designation     Selector switches       design of the product     Complete unit	
design of the product	
product type designation 3SU1	
product line Metal, shiny, 22 mm	
manufacturer's article number	
of supplied contact module at position 1 <u>3SU1400-1AA10-1FA0</u>	
• of supplied contact module at position 2  • SU1400-1AA10-1FA0	
• of the supplied holder  • of the supplied holder  3SU1550-0AA10-0AA0	
• of the supplied actuator  • of the supplied actuator  3SU1052-2BL60-0AA0	
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°	
• anticlockwise 45°	
Front ring	
product component front ring Yes	
design of the front ring standard	
material of the front ring  Metal, high gloss	
color of the front ring silver	
Holder	
material of the holder Plastic	
Display	
number of LED modules 0	
General technical data	
product function positive opening  Yes	
product component light source No	
insulation voltage rated value 500 V	
degree of pollution 3	
type of voltage of the operating voltage AC/DC	

surge voltage resistance rated value	6 kV
protection class IP	IP66, IP67, IP69(IP69K)
of the terminal	IP20, clamping screw tightened
degree of protection NEMA rating shock resistance	_ 1, 2, 3, 3R, 4, 4X, 12, 13
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	Siriusoidai Haii-wave 15g / 11 His
	10
• according to IEC 60068-2-6	10 500 Hz: 5g
operating frequency maximum	1 800 1/h
mechanical service life (operating cycles) typical	1 000 000
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)
Auxiliary circuit	(3 V, 1 IIIA)
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	2
	2
number of NO contacts for auxiliary contacts  Connections/ Terminals	2
type of electrical connection	screw-type terminals
of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	0 (0 - 0 - 0 - 0)
solid with core end processing	2x (0.5 0.75 mm²)
solid without core end processing	2x (1.0 1.5 mm²)
finely stranded with core end processing	2x (0.5 1.5 mm²)
finely stranded without core end processing	2x (1,0 1,5 mm²)
• for 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
Safety related data	
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
failure rate [FIT] with low demand rate according to SN	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920	100 FIT
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to	100 FIT 300 000
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to IEC 61508	100 FIT 300 000
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions	100 FIT 300 000
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature	100 FIT 300 000 20 a
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation	100 FIT  300 000  20 a  -25 +70 °C
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC	100 FIT  300 000  20 a  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721	100 FIT  300 000  20 a  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental footprint	100 FIT  300 000  20 a  -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)
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Product Declaration(EPD)	100 FIT  300 000  20 a  -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)  Yes
failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total	100 FIT  300 000  20 a  -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)  Yes  0.593 kg

global warming potential [CO2 eq] after end of life	-0.267 kg
Installation/ mounting/ dimensions	
fastening method	
<ul> <li>of modules and accessories</li> </ul>	Front plate mounting
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
mounting height	28.8 mm
installation width	32.3 mm
installation depth	71.7 mm

Approvals Certificates

**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

Environment



Confirmation

Environmental Confirmations

## 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=3SU1150-2BL60-1LA0

Cax online generator

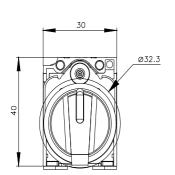
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1150-2BL60-1LA0}$ 

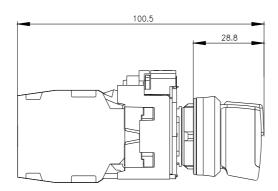
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

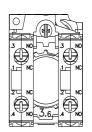
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-2BL60-1LA0

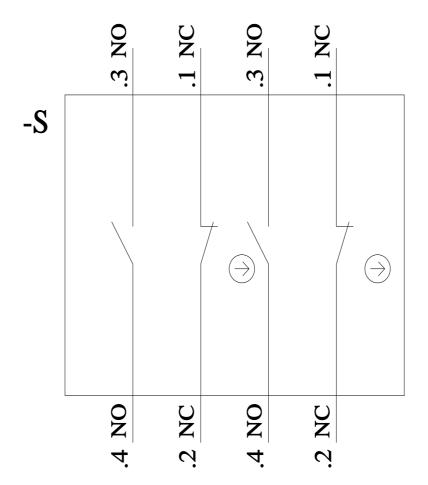
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-2BL60-1LA0&lang=en









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