## SIEMENS

## Data sheet

## 3SU1150-2BL60-1NA0



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, 1 NO, 1 NO, screw terminal

product brand name	SIRIUS ACT		
product designation	Selector switches		
design of the product	Complete unit		
product type designation	3SU1		
product line	Metal, shiny, 22 mm		
manufacturer's article number			
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1BA0</u>		
<ul> <li>of supplied contact module at position 2</li> </ul>	<u>3SU1400-1AA10-1BA0</u>		
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0AA10-0AA0</u>		
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1052-2BL60-0AA0</u>		
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	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		

surge voltage resistance rated value         6 kV           order to turninal         IPS0           • of the turninal         IPS0           • occording to EC 5008-2-0         sinuscital hast owner 55g / 11 ms           • occording to EC 5008-2-0         10 500 Hz: 5g           operating frequency maximum         1600 th           mechanical active life (poretarg cycles) typical         10000 000           othermal current         IPA           ordinitious current of the C 1000-200 Hz: 5g         10000 000           ordinitious current of the QLAZED tuse link         10 A           continuous current of the QLAZED tuse link ig         10 A           continuous current of the QLAZED tuse link ig         10 A           at 00 Hz: raide value         5 500 V           at 01 Hz: raide value         5 500 V           at 01 Hz: raide value         5 500 V           at 01 Hz: raide value         5 500 V           at		-
• of the terminal         IP20           degree of protection NEMA rating         1, 2, 3, 3H, 4, X, 12, 13           • e.coording to IEC 6008-2.27         sinuarida half-wave 15g / 11 ms           • e.coording to IEC 6008-2.27         sinuarida half-wave 15g / 11 ms           • e.coording to IEC 6008-2.27         sinuarida half-wave 15g / 11 ms           • e.coording to IEC 6008-2.27         100 - 001 +: 5g           • e.coording to IEC 6008-2.27         1000 000           • e.coording to IEC 6014-2         Sinuari 1000 000           • e.coording to IEC 6144-2         Sinuari 10 A           • forference ocide according to IEC 6145-2         Sinuari 10 A           • continuous current of the QLED fuse link g0         10A. for a sthort-cinuari current sinuari than 400 A           • continuous current of the QLED fuse link g0         10A. for a sthort-cinuari current sinuari than 400 A           • at 60 Hz ratio value         Sin - 600 V           • at 60 Hz ratio value         Sin - 600 V           • at 60 Hz ratio value         Sin - 600 V           • at 60 Hz ratio value         Sin - 600 V           • at 60 Hz ratio value         Sin - 600 V           • at 60 Hz ratio value         Sin - 600 V           • at 60 Hz ratio value         Sin - 600 V           • at 60 Hz ratio value         Sin - 600 V	surge voltage resistance rated value	6 kV
degree of protection NEMA rating         1, 2, 3, 3R, 4, 4X, 12, 13           shock resistance         sinusoidal half-wave 15g / 11 ms           • seconding to EC 60068-2-07         sinusoidal half-wave 15g / 11 ms           • with the context of EC 60068-2-07         10 500 Hz: 5g           operating frequency maximum         1800 1/h           mechanical sortical file operating cycles) typical         1000 000           dedicate and mace (operating cycles) typical         1000 000           dedicate and mace (operating cycles) typical         100 A for a short-indux current smaller than 400 A           continuous current of the Quarteristic MCB         100 A for a short-indux current smaller than 400 A           continuous current of the Quarteristic MCB         100 A for a short-indux current smaller than 400 A           continuous current of the Quarteristic MCB         5 500 V           - at 30 Hz rated value         5 500 V           - at 30 Hz rated value         5 500 V           - at 30 Hz rated value         5 500 V           - at 30 Hz rated value         5 500 V           - at 30 Hz rated value         5 500 V           - at 30 Hz rated value         5 500 V           - at 30 Hz rated value         5 500 V           - at 30 Hz rated value         5 500 V           - at 30 Hz rated value	protection class IP	IP66, IP67, IP69(IP69K)
shock resistance         situacidal half-wave 15g / 11 ms           • according to EC 6008-2.6         10 500 Hz. 5g           • according to EC 6008-2.6         10 500 Hz. 5g           • periating frequency maximum         1 800 t/h           mechanical service life (operating cycles) typical         1000 000           tectrical indicates cording to EC 8138-2         S           continuous current of the C baracteristic MCB         10 A           reference code according to EC 8138-2         S           continuous current of the DAZED frue link         10 A           continuous current of the DAZED frue link         10 A           continuous current of the DAZED frue link         10 A           continuous current of the DAZED frue link         10 A           contact of Data rated value         5 500 V           - at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           Contract for auxiliary contacts         Silver aloy           number of NC contacts for auxiliary contacts         Silver aloy           number of NC contacts for auxiliary contacts         0           value of NC contacts for auxiliary contacts         2           Contact of neauxiliary contacts         Silver aloy	of the terminal	IP20
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
vbalance     0500 HZ 16g       operating frequency maximum     1 800 fm       mechanical service tirk (operating cycles) typical     1000 000       dectorial inclusions (operating cycles) typical     1000 000       federation inclusions (operating cycles) typical     1000 000       federation inclusions (operating cycles) typical     1000 000       federation inclusions (operating cycles) typical     100 A       reference code according to IEC 81346-2     S       continuous current of the Characteristic MCB     100 A       operating voltage     100 V2014       operating voltage     100 V2014       operating voltage     5 600 V       - at 60 Hz rated value     5 600 V       - at 60 Hz rated value     5 600 V       - at 60 Hz rated value     5 600 V       Power Electronics     Constructions       contact or labeling voltage     0       - at 60 Hz rated value     5 600 V       Power Electronics     Constructions       contact or labeling voltage     0       - at 60 Hz rated value     5 600 V       Power Electronics     0       contact or labeling voltage     0       return value     5 600 V       Power Electronics     0       contact or labeling voltage     0       - of nonubl	shock resistance	
- eccording to IEC 9098-2-6         10         500 HZ 5g           operating frequency maximum         1800 In           mechanical service life (operating cycles) typical         1000000           decidial endurance (operating cycles) typical         10000000           decidial endurance (operating cycles) typical         10000000           reference code according to IEC 81345-2         S           continuous current of the Characteriste MCB         10A A for a short-strout current smaller than 400 A           continuous current of the DAZED fives link pG         10A           destinate Prohibitance (Date)         100 / 2014           operating voltage         -           - at 50 HZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ride Value         5 500 V           - at 61 DHZ ri	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
operating frequency maximum         1 800 th           mechanical service life (operating cycles) typical         1000 000           destrict and unrone (operating cycles) typical         1000 000           ferrence code according to IEC 81346-2         S           continuous current of the C characteristic MCB         10 A           continuous current of the QLA DAZED fuse link gQ         10 A           continuous current of the QLA DAZED fuse link gQ         10 A           substance Protein of the QLA DAZED fuse link gQ         10 A           substance Protein of the QLA DAZED fuse link gQ         10 A           operating voltage         5 600 V           - at 50 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value	vibration resistance	
mechanical service fife (operating cycles) typical         1 000 000           electrical endurance (operating cycles) typical         10 000 000           formed code according to IEC 91346-2         S           continuous current of the characteristic MEB         10 A, for a short-struit current smaller than 400 A           continuous current of the quick DIAZED fuse link         10 A           continuous current of the quick DIAZED fuse link         10 A           continuous current of the quick DIAZED fuse link         10 A           continuous current of the quick DIAZED fuse link         10 A           continuous current of the quick DIAZED fuse link         10 A           contact of auxiliary contexts         100 V           - at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           contact of auxiliary contacts         0           contact of auxiliary contacts         0           contact of auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           contact of auxiliary contacts         2           formetions         Screw-type terminals <td><ul> <li>according to IEC 60068-2-6</li> </ul></td> <td>10 500 Hz: 5g</td>	<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
electronics environce (operating cycles) hysical thermal current reference code according to IEC 81346-2 S continuous current of the C characteristic MCB continuous current of the QLAED Nase Ink gG Substance Protein Status substance Protein Status substatus substance Protein Status substance Protein Status substat	operating frequency maximum	1 800 1/h
thermal current         10 A           reference code according to IEC 81346-2         S           continuous current of the quarter brait MB         10 A, for a short-circuit current smaller than 400 A           continuous current of the quarter brait MB         10 A           Substance Prohibitance (Dete)         1001/2014           operating voltage	mechanical service life (operating cycles) typical	1 000 000
reference code according to IEC 81348-2         S           continuous current of the Quick NAZED fuse link QID         10 A, for a short-circuit current smaller than 400 A           continuous current of the Quick NAZED fuse link QID         10 A           Substance Prohibitance (Quete)         100/12014           oparting voltage         10 A           - at 50 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - at 60 Hz rated value         5 600 V           - ontotacts for auxillary contacts         Silver aloy           number of NC contacts for auxillary contacts         0           number of NC contacts for auxillary contacts         2           Connectable conductor cross-sections         Screw-type terminals           • oid within ore end processing         2x (0.5 15 mm <sup>2</sup> )           • aild without core end processing         2x (0.5 15 mm <sup>2</sup> )	electrical endurance (operating cycles) typical	10 000 000
continuous current of the C characteristic MCB         10 A; for a short-circuit current smaller than 400 A           continuous current of the DLAZED fuse link gG         10 A           Substance Prohibitance (Date)         100/1/2014           oporating vortage         10 A           - at 50 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           - at 0 Hz rated value         5 500 V           - at 0 Hz rated value         5 500 V           - at 0 C rated value         5 500 V           - at 0 Hz rated value         5 500 V           - orated value         5	thermal current	10 A
continuous current of the C characteristic MCB         10 A, for a short-circuit current smaller than 400 A           continuous current of the QLAZED fuse link g0         10 A           Substance Prohibitance (Date)         1001/2014           operating voltage         - at 50 Hz rated value           - at 60 Hz rated value         5 600 V           - at 00 Hz rated value         5 600 V           - at 00 Hz rated value         5 600 V           - at 00 Hz rated value         5 600 V           - at 00 Hz rated value         5 600 V           - at 00 Hz rated value         5 600 V           - orated va	reference code according to IEC 81346-2	S
continuous current of the quick DIAZED fuse link g0     10 A       continuous current of the DIAZED fuse link g0     10 A       Substance Prohibitance (Data)     100/12014       operating voltage     5 500 V       - at 50 Hz rated value     5 500 V       - at 60 Hz rated value     5.		10 A; for a short-circuit current smaller than 400 A
continuous current of the DAZED fuse link gG       10 A         Substance Prohibitance (Date)       100 / 12014         operating voltage       100 / 12014         • at AC       5 500 V         at 50 Hz rated value       5 500 V         • at DC rated value       5 500 V         • at DC rated value       5 500 V         Power Electronis       One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (20 V, 1 mA)         Auxiliary contact       Silver aloy         mumber of NC contacts for auxiliary contacts       0         number of NC contacts for auxiliary contacts       0         consections/Terminals       5 500 V         Yppe of electrical connoction       screw-type terminals         of modules and accessories       Screw-type terminals         ype of oldectrical connectable conductor cross-sections       sciel (10 1.5 mm?)         • solid with core end processing       2x (10 1.5 mm?)         • finely stranded with out core end processing       2x (10 1.5 mm?)         • for AVS cables       2x (10 1.5 mm?)         • for AVS cables <t< td=""><td>continuous current of the quick DIAZED fuse link</td><td></td></t<>	continuous current of the quick DIAZED fuse link	
Substance Prohibitance (Date)         10/01/2014           oporating voltage	•	
operating voltage <ul> <li>at AC</li> <li>at S0 Hz rated value</li> <li>bt AC</li> <li>at S0 Hz rated value</li> <li>bt Crated value</li> <li>bt Crated value</li> <li>bt Crated value</li> <li>bt Crated value</li> </ul> eat DC rated value         5 500 V           Power Electronics           contact reliability         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation p		
e at AC		
		5 500 V
• at DC rated value       5 500 V         Power Electronics       One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA).         Auxiliary circuit       Going of the contact of auxiliary contacts       Silver alloy         number of NC contacts for auxiliary contacts       0       0         number of NC contacts for auxiliary contacts       0       2         Connection/ Terminals       0       0         • of modules and accessories       Screw-type terminals       0         • of modules and accessories       Screw-type terminals       0         • solid with core end processing       2x (10 15 mm?)       0         • finely stranded without core end processing       2x (10 15 mm?)       0         • finely stranded without core end processing       2x (10 15 mm?)       0         • finely stranded without core end processing       2x (10 15 mm?)       0         • finely stranded without core end processing       2x (10 15 mm?)       0         • for AWG cables       Outcourts       0       0         • finely stranded without core end processing       2x (10 15 mm?)       0       0         • finely stranded without core end processing       2x (10 15 mm?)       0       0       0         • finely stranded without c		
Power Electronics         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)           Auxiliary circuit		
contact reliability         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million           Auxiliary circuit         design of the contact of auxiliary contacts         0           number of NC contacts for auxiliary contacts         0         0           number of NC contacts for auxiliary contacts         0         0           number of NC contacts for auxiliary contacts         0         0           of modules and accessories         5         2           Connections/ Terminals         very of electrical connection         sorew-type terminal           type of connectable conductor cross-sections         •         sold with out core end processing           • solid with out core end processing         2x (0.5 0.75 mm²)         •           • for AVRG cables         2x (1.0 15 mm²)         •           • for AVRG cables         2x (1.0 15 mm²)         •           • for AVRG cables         2x (1.0 15 mm²)         •           starty rolated data         1 12 N·m         1         1 12 N·m           Bloyalue with high demand rate according to SN 31920         300 000         00           proportion of dangerous failures         -         -         -           • with low demand rate according to SN 31920         20 %         -         -		5 500 V
Auxiliary circuit         design of the contact of auxiliary contacts       Silver alloy         number of NC contacts for auxiliary contacts       0         number of NC contacts for auxiliary contacts       2         Connectional/ Terminals       Screw-type terminal         type of elex/Terminals       Screw-type terminal         type of connectable conductor cross-sections       •         • solid without core end processing       2x (1.015 mm <sup>2</sup> )         • solid without core end processing       2x (1.015 mm <sup>2</sup> )         • finely stranded with core end processing       2x (1.015 mm <sup>2</sup> )         • finely stranded with core end processing       2x (1.015 mm <sup>2</sup> )         • finely stranded with core end processing       2x (1.015 mm <sup>2</sup> )         • finely stranded with core end processing       2x (1.015 mm <sup>2</sup> )         • finely stranded with advertee terminals       0.80.9 N·m         Safety rolated data       B10 value with high demand rate according to SN 31920       20 %         Safety rolated data       B10 value with high demand rate according to SN 31920       20 %         • with low demand rate according to SN 31920       20 %       20 %         • with low demand rate according to SN 31920       20 %       20 %         • during storage       -40 480 °C       20 montal davices behind fr		One maloperation per 100 million (17 \/ 5 mA) and maloperation per 10 million
Auxiliary circuit       Silver alloy         number of NC contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       2         Connections/ Terminals       screw-type terminal         type of electrical connection       screw-type terminal         • of modules and accessories       Screw-type terminal         type of connectable conductor cross-sections       screw-type terminal         • solid with core end processing       2x (0.5 0.75 mm²)         • finely stranded without core end processing       2x (10 15 mm²)         • finely stranded without core end processing       2x (10 15 mm²)         • finely stranded without core end processing       2x (10 15 mm²)         • for AVK cables       2x (11 12 N <sup>m</sup> )         Stafty related data       0.8 0.9 N <sup>m</sup> Bafter related cata       0.000         proportion of dangerous failures       0.8 0.9 N <sup>m</sup> • with hoy demand rate according to SN 31920       20 %         • with how demand rate according to SN 31920       20 %         • with now demand rate according to SN 31920       20 %         • with now demand rate according to SN 31920       20 %         • during operation       -25 +70 °C         • during operation       -25 +70 °C      <	contact reliability	
design of the contact of auxiliary contacts     Silver alloy       number of NC contacts for auxiliary contacts     0       number of NC contacts for auxiliary contacts     2       Connections/Torminals     screw-type terminals       type of electrical connection     screw-type terminals       • of modules and accessories     Screw-type terminal       type of connectable conductor cross-sections     •       • solid withou core end processing     2x (10 15 mm <sup>3</sup> )       • solid without core end processing     2x (10 15 mm <sup>3</sup> )       • finely stranded with core end processing     2x (10 15 mm <sup>3</sup> )       • finely stranded without core end processing     2x (10 15 mm <sup>3</sup> )       • for AVIG cables     2x (10 15 mm <sup>3</sup> )       • for AVIG cables     2x (10 15 mm <sup>3</sup> )       • for AVIG cables     2x (10 12 mm <sup>3</sup> )       • for value with high demand rate according to SN 31920     20 %       • with low demand rate according to SN 31920     20 %       • with low demand rate according to SN 31920     20 %       • with low demand rate according to SN 31920     20 %       • with low demand rate according to SN 31920     20 %       • with low demand rate according to SN 31920     20 %       • with low demand rate according to SN 31920     20 %       • during storage     -40 +80 "C       • during storage	Auxiliary circuit	
number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         2           Connections/ Terminals         Terminals           type of electrical connection         screw-type terminals           • of modules and accessories         Screw-type terminals           • solid with core end processing         2x (1015 mm <sup>3</sup> )           • solid with core end processing         2x (1015 mm <sup>3</sup> )           • linely stranded with core end processing         2x (1015 mm <sup>3</sup> )           • linely stranded with core end processing         2x (1015 mm <sup>3</sup> )           • linely stranded with core end processing         2x (1015 mm <sup>3</sup> )           • linely stranded without core end processing         2x (1015 mm <sup>3</sup> )           • linely Stranded without core end processing         2x (1015 mm <sup>3</sup> )           • linely Stranded with core end processing         2x (1015 mm <sup>3</sup> )           • linely Stranded with core end processing         2x (1015 mm <sup>3</sup> )           • linely stranded with core end processing         2x (1015 mm <sup>3</sup> )           • with Strande with core end processing         2x (10		Silver allov
number of NO contacts for auxiliary contacts         2           Connections/Terminals		
Connections/ Terminals           type of electrical connection         screw-type terminals           • of modules and accessories         Screw-type terminal           type of connectable conductor cross-sections         solid with core end processing         2x (0.5 0.75 mm²)           • solid without core end processing         2x (1.0 1.5 mm²)         inely stranded without core end processing           • finely stranded without core end processing         2x (1.0 1.5 mm²)         inely stranded without core end processing           • for AWG cables         2x (1.1 1.5 mm²)         inely stranded without core end processing         2x (1.1 1.5 mm²)           • for AWG cables         2x (1.1 1.2 Nm         tightening torque with screw-type terminals         0.8 0.9 N m           Safety related data         Safety related data         Sold with ligh demand rate according to SN 31920         20 %           • with low demand rate according to SN 31920         20 %         300 000         Proportion of dangerous failures           • with low demand rate according to SN 31920         20 %         300 000         Sold with gate data           ambient conditions         ambient temperature         -         -         -           • during storage         -40 +60 °C         -         -         -           fatellation/ mounting/ dimensions         Fr	· · · · · · · · · · · · · · · · · · ·	
type of electrical connection         screw-type terminals           • of modules and accessories         Screw-type terminal           type of connectable conductor cross-sections         2x (0.5 0.75 mm²)           • solid with core end processing         2x (1.0 1.5 mm²)           • finely stranded with core end processing         2x (1.0 1.5 mm²)           • finely stranded without core end processing         2x (1.0 1.5 mm²)           • for AWG cables         2x (1.1 1.5 mm²)           • for AWG cables         2x (1.1 1.2 Nrm           tightening torque of the screws in the bracket         1 1.2 Nrm           tightening torque of the screws in step bracket         1 1.2 Nrm           tightening torque with screw-type terminals         0.8 0.9 N·m           Safety related data         20 %           B10 value with high demand rate according to SN 31920         20 %           • with low demand rate according to SN 31920         20 %           • with low demand rate according to SN 31920         20 %           failure rate [FIT] with low demand rate according to SN 31920         100 FIT           Ambient conditions         -25 +70 °C           environmental category during operation according to IEC         60721           failures for all devices behind front panel)         10 480 °C	· ·	-
• of modules and accessories     Screw-type terminal       type of connectable conductor cross-sections     2x (0.5 0.75 mm²)       • solid with core end processing     2x (1.0 1.5 mm²)       • finely stranded without core end processing     2x (1.0 1.5 mm²)       • finely stranded without core end processing     2x (1.0 1.5 mm²)       • for AWG cables     2x (1.0 1.5 mm²)       • for AWG cables     2x (1.0 1.5 mm²)       • for AWG cables     2x (1.0 1.5 mm²)       • With fightening torque with screw-type terminals     0.8 0.9 N·m       Safety related data     0.8 0.9 N·m       Safety related data     0.8 0.9 N·m       Safety related data     0.9 N·m       Safety related data     0.0000       proportion of dangerous failures     0.9 N·m       • with high demand rate according to SN 31920     20 %       • with high demand rate according to SN 31920     20 %       • with high demand rate according to SN 31920     20 %       • during operation     -25 +70 °C       • during operation     -25 +70 °C       • during storage     -40 +80 °C       environmental category during operation according to IEC     3M6, 3S2, 3S2, 3C3, 3K6 (with relative air humidity of 10 95%, no contensation in operation in operation in operation permitted for all devices behind front panel)       fastening method     -0 of m		screw-type terminals
type of connectable conductor cross-sections <ul> <li>solid with core end processing</li> <li>solid without core end processing</li> <li>2x (10 1.5 mm<sup>2</sup>)</li> <li>finely stranded with core end processing</li> <li>2x (10 1.5 mm<sup>2</sup>)</li> <li>finely stranded without core end processing</li> <li>2x (10 1.5 mm<sup>2</sup>)</li> <li>finely stranded without core end processing</li> <li>2x (10 1.5 mm<sup>2</sup>)</li> <li>for AWG cables</li> <li>2x (10 1.5 mm<sup>2</sup>)</li> <li>for AWG cables</li> <li>2x (11 1.5 mm<sup>2</sup>)</li> <li>for AWG cables</li> <li>0. 8 0.9 N m</li> <li>Safety related data</li> <li>B10 value with high demand rate according to SN 31920</li> <li>300 000</li> <li>proportion of dangerous failures</li> <li>20 %</li> <li>with high demand rate according to SN 31920</li> <li>20 %</li> <li>with high demand rate according to SN 31920</li> <li>20 %</li> <li>failure rate [FIT] with low demad rate according to SN 31920</li> <li>20 %<!--</td--><td></td><td></td></li></ul>		
<ul> <li>solid with core end processing</li> <li>2x (0.5 0.75 mm<sup>3</sup>)</li> <li>solid withou core end processing</li> <li>2x (1.0 1.5 mm<sup>3</sup>)</li> <li>finely stranded with core end processing</li> <li>2x (0.5 1.5 mm<sup>3</sup>)</li> <li>2x (1.5 1.5</li></ul>		
• solid without core end processing       2x (1.01.5 mm²)         • finely stranded with core end processing       2x (0.51.5 mm²)         • finely stranded without core end processing       2x (1.01,5 mm²)         • for AWG cables       2x (1.01,5 mm²)         • for AWG cables       2x (1.01,5 mm²)         • tightening torque of the screws in the bracket       112 Nm         tightening torque with screw-type terminals       0.80.9 Nm         Safety related data       300 000         Proportion of dangerous failures       0.80.9 Nm         • with low demand rate according to SN 31920       20 %         • with low demand rate according to SN 31920       20 %         • with low demand rate according to SN 31920       20 %         • with low demand rate according to SN 31920       20 %         • with low demand rate according to SN 31920       20 %         • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no contensation in operation permitted for all devices behind front panel)         Installation/ mounting/ dimensions       Front plate mounting         fastening method       Front plate mounting         • of modules and accessories <td></td> <td><math>2x (0.5 - 0.75 \text{ mm}^2)</math></td>		$2x (0.5 - 0.75 \text{ mm}^2)$
• finely stranded with core end processing       2x (0.5 1.5 mm³)         • 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 Nm         tightening torque with screw-type terminals       0.8 0.9 Nm         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 high demand rate according to SN 31920       20 %         • with high demand rate according to SN 31920       20 %         • with high demand rate according to SN 31920       20 %         • with high demand rate according to SN 31920       20 %         • during operation       -25 +70 °C         • during operation       -25 +70 °C         • during operation according to IEC       3M6, 352, 323, 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         fastening method       Front plate mounting         • of modules and accessories       Front plate mounting         height       40 mm		
• finely stranded without core end processing       2x (1, 0, 1, 5 mm³)         • for AWG cables       2x (18 14)         tightening torque of the screws in the bracket       1, 1, 2 Nm         tightening torque with screw-type terminals       0, 8 0, 9 Nm         Safety related data       5         B10 value with high demand rate according to SN 31920       300 000         proportion of dangerous failures       -         • with high demand rate according to SN 31920       20 %         failure rate [FIT] with low demand rate according to SN 31920       20 %         failure rate [FIT] with low 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         environmental category during operation according to IEC       3M6, 352, 382, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         fastening method       -         • of modules and accessories       Front plate mounting         height       40 mm         width       32.3 mm         shape of the installation openin		
• 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		
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		
tightening torque with screw-type terminals       0.8 0.9 N·m         Safety related data		
Safety related data         B10 value with high demand rate according to SN 31920       300 000         proportion of dangerous failures       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         environmental category during operation according to IEC 60721       3M6, 352, 382, 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         fastening method       • of modules and accessories         • of modules and accessories       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		
B10 value with high demand rate according to SN 31920       300 000         proportion of dangerous failures       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       -25 +70 °C         • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC 60721       3M6, 352, 382, 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         fastening method       40 mm         • of modules and accessories       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		0.8 0.9 N·III
proportion of dangerous failures       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       -25 +70 °C         • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       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         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		
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>20 %</li> <li>with high demand rate according to SN 31920</li> <li>20 %</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>100 FIT</li> <li>Ambient conditions</li> <li>ambient temperature         <ul> <li>during operation</li> <li>-25 +70 °C</li> <li>during storage</li> <li>-40 +80 °C</li> </ul> </li> <li>environmental category during operation according to IEC 60721</li> <li>SM6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)</li> <li>Installation/ mounting/ dimensions</li> <li>fastening method         <ul> <li>of modules and accessories</li> <li>Front plate mounting</li> <li>40 mm</li> <li>width</li> <li>32.3 mm</li> <li>shape of the installation opening</li> <li>round</li> <li>mounting diameter</li> <li>22.3 mm</li> <li>positive tolerance of installation diameter</li> <li>0.4 mm</li> </ul> </li> </ul>		300 000
• 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         environmental category during operation according to IEC       3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no 60721         Installation/ mounting/ dimensions       -         fastening method       -         • of modules and accessories       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		
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         environmental category during operation according to IEC       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       round         mounting diameter       22.3 mm         opsitive tolerance of installation diameter       0.4 mm	C C	
Ambient conditions         ambient temperature         • during operation         • during storage         -40 +80 °C         environmental category during operation according to IEC         60721         Installation/ mounting/ dimensions         fastening method         • of modules and accessories         Front plate mounting         height         width         32.3 mm         shape of the installation opening         round         mounting diameter         22.3 mm         positive tolerance of installation diameter		
ambient temperature       -25 +70 °C         • during operation       -25 +80 °C         environmental category during operation according to IEC       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       Installation/ mounting/ dimensions         fastening method       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		100 FIT
• during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC       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       Installation / mounting/ dimensions         fastening method       Front plate mounting         • of modules and accessories       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	Ambient conditions	
• during storage       -40 +80 °C         environmental category during operation according to IEC       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       Installation/mounting/ dimensions         fastening method       Front plate mounting         • of modules and accessories       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	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       round         mounting diameter       22.3 mm         positive tolerance of installation diameter       0.4 mm	<ul> <li>during operation</li> </ul>	
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       round         mounting diameter       22.3 mm         positive tolerance of installation diameter       0.4 mm	during storage	
Installation/ mounting/ dimensions         fastening method         • of modules and accessories         height         40 mm         width         32.3 mm         shape of the installation opening         round         mounting diameter         positive tolerance of installation diameter         0.4 mm		
fastening method       Front plate mounting         • of modules and accessories       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		condensation in operation permitted for all devices benind front panel)
• of modules and accessoriesFront plate mountingheight40 mmwidth32.3 mmshape of the installation openingroundmounting diameter22.3 mmpositive tolerance of installation diameter0.4 mm		
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	-	
width     32.3 mm       shape of the installation opening     round       mounting diameter     22.3 mm       positive tolerance of installation diameter     0.4 mm		
shape of the installation opening     round       mounting diameter     22.3 mm       positive tolerance of installation diameter     0.4 mm		
mounting diameter     22.3 mm       positive tolerance of installation diameter     0.4 mm		
positive tolerance of installation diameter 0.4 mm		
mounting height 28.8 mm	•	
	mounting height	28.8 mm

installation width		32.3	mm		
installation depth		49.7	mm		
Certificates/ approvals					
General Product App	roval				Declaration of Con- formity
() Starter	<u>Confirmation</u>			EHC	CE EG-Konf.
Declaration of Con- formity	Test Certificates		Marine / Shipping		
UK CA	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Llovd's Register urs	PRS
Marine / Shipping	other	Environment			
RINA	<u>Confirmation</u>	Environmental Con- firmations			

## Further information

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

ind-down-russian-business https://pres /global/en/pres

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=3SU1150-2BL60-1NA0

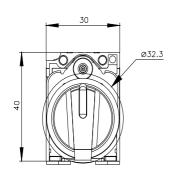
Cax online generator

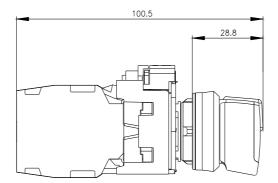
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-2BL60-1NA0

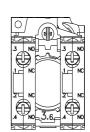
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

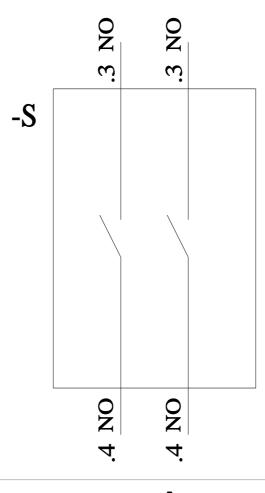
https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-2BL60-1NA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-2BL60-1NA0&lang=en









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