## 3SU1150-2BL60-1LA0-Z X90

## **Data sheet**



Selector switch, illuminable, 22 mm, round, metal, shiny, white, selector switch, short, 3 switch positions I-O-II, latching, actuating angle  $2x45^{\circ}$ , 10:30h/12h/13:30h, with holder, 2 x 1 NO+1 NC, screw terminal, Z=20-unit packaging

product designation design of the product Complete unit product type designation 3SU1 product line Metal, shiny, 22 mm  manufacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 2 • of the supplied schuator • of the supplied schuator 3SU1400-1AA10-1EA0 3SU1550-0AA10-0AA0 • of the supplied schuator  Inclusive  number of command points 1 Actuator  design of the actuating element principle of operation of the actuating element principle of operation of the actuating element material of the actuating element white material of the actuating element outer diameter of the actuating element plastic shape of the actuating element outer diameter of the actuating element number of contact modules 2 number of switching positions 3 actuating angle • clockwise • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise • anticlockwise  • anticlockwise • an	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm manufacturer's article number  • of supplied contact module at position 1 • of supplied contact module at position 2 • of the supplied holder • of the supplied actuator  Enclosure  number of command points  Actuator  design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional light source  color of the actuating element white material of the actuating element outer diameter of the actuating element outer diameter of the actuating element shape of the actuating element outer diameter of the actuating element actuating angle • clockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  color of the front ring material of the front ring material of the front ring silver  Holder material of the holder  Display number of LED modules 0  General technical data product component light source No  No	product designation	Selector switches
product line manufacturer's article number  of supplied contact module at position 1  of supplied contact module at position 2  substance of the supplied contact module at position 2  of the supplied contact module at position 2  of the supplied contact module at position 2  substance of the supplied actuator  assultation-IAA10-1FA0  of the supplied actuator  Indicator  testing of the supplied actuator  assultation-IAA10-1FA0  substance of the supplied actuator  Indicator  design of the actuating element  principle of operation of the actuating element  product extension optional light source  Yes  color of the actuating element  substance of the actuating element  plastic  shape of the actuating element  number of contact modules  actuating angle  olockwise  olockwise  olockwise  actuating angle  olockwise  actuating angle  olockwise  actuating of the front ring  design of the front ring  material of the front ring  material of the front ring  Metal, high gloss  color of the front ring  Metal, high gloss  color of the front ring  Metal, high gloss  color of the front ring  The folder  material of the holder  Display  number of LED modules  O  General technical data  product component light source  No	design of the product	Complete unit
manufacturer's article number  of supplied contact module at position 1  of supplied contact module at position 2  of the supplied holder  of the supplied holder  of the supplied actuator  Enclosure  number of command points  1  Actuator  design of the actuating element  principle of operation of the actuating element  product extension optional light source  shape of the actuating element  material of the actuating element  number of contact modules  shape of the actuating element  number of supplied emperations  actuating angle  olockwise  actuating angle  olockwise  anticlockwise  front ring  product component front ring  design of the front ring  Metal, high gloss  color of the front ring  material of the holder  plastic  Display  number of LED modules  0  General technical data  product component light source  No	product type designation	3SU1
of supplied contact module at position 1     of supplied contact module at position 2     of the supplied holder     of the supplied holder     of the supplied actuator     of the supplied actuator     of the supplied actuator     of the supplied actuator     of the supplied actuator  Indicator  Indica	product line	Metal, shiny, 22 mm
of supplied contact module at position 2     of the supplied holder     of the supplied actuator      inclosure  number of command points      design of the actuating element     principle of operation of the actuating element     product extension optional light source     color of the actuating element     material of the actuating element     outer diameter of the	manufacturer's article number	
of the supplied holder     of the supplied actuator      Suloss-2-BL60-0AA0  Enclosure     number of command points     1  Actuator  design of the actuating element	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1FA0
of the supplied actuator	<ul> <li>of supplied contact module at position 2</li> </ul>	3SU1400-1AA10-1FA0
Enclosure  number of command points  Actuator  design of the actuating element	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
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   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   Qeneral technical data   product function positive opening   Yes   product component light source   No	<ul> <li>of the supplied actuator</li> </ul>	3SU1052-2BL60-0AA0
design of the actuating element principle of operation of the actuating element 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 occording element 45° earth ring product component front ring tension of the front ring silver entering silver plastic element for the front ring tension of ten	Enclosure	
design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element number of contact modules e clockwise e anticlockwise front ring product component front ring material of the fnont ring material of the holder  Display number of LED modules  General technical data product component light source  Yes Ves Ves 1atching, 2x45° (10:30 h/12 h/13:30 h) product component light source  Yes Ves 1atching, 2x45° (10:30 h/12 h/13:30 h) plate in atching, 2x45° (10:30 h/12 h/13:30 h/12 h/13:30 h/13 plate in atching, 2x45° (10:30 h/13 plate in atching	number of command points	1
principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element number of contact modules e clockwise e anticlockwise front ring product component front ring material of the front ring material of the holder material of the holder Display number of LED modules  0 General technical data product component light source  Yes white white white heat plastic plastic  Yes (10:30 h/12 h/13:30 h) Yes	Actuator	
product extension optional light source  color of the actuating element  material of the actuating element  shape of the actuating element  outer diameter of the actuating element  number of contact modules  actuating angle  clockwise  shape of twe actuating element  outer diameter of the actuating element  32.3 mm  number of switching positions  actuating angle  clockwise  45°  anticlockwise  45°  Front ring  product component front ring  design of the front ring  material of the front ring  Metal, high gloss  color of the front ring  material of the holder  plastic  Display  number of LED modules  General technical data  product component light source  No	design of the actuating element	Selector, short
color of the actuating element plastic material 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 standard material of the front ring silver  Holder material of the holder Plastic  Display number of LED modules 0 General technical data product component light source No	principle of operation of the actuating element	latching, 2x45° (10:30 h/12 h/13:30 h)
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 45e 45° design of the front ring 55e 45° material of the front ring 65e 56e 56e 56e 56e 56e 56e 56e 56e 56e	product extension optional light source	Yes
shape of the actuating element outer diameter of the actuating element number of contact modules number of switching positions actuating angle eclockwise anticlockwise front ring  product component front ring design of the front ring material of the front ring material of the holder  Display number of LED modules product component light source  round  a2.3 mm  a2.3 mm  a2.3 mm  45°  45°  45°  45°  45°  45°  45°  4	color of the actuating element	white
outer diameter of the actuating element number of contact modules 2 number of switching positions 3 actuating angle • clockwise • anticlockwise  Front ring product component front ring design of the front ring material of the front ring material of the holder  Metal, high gloss color of the front ring material of the holder Plastic  Display number of LED modules  General technical data product component light source No	material of the actuating element	plastic
number of contact modules  number of switching positions  actuating angle  clockwise  anticlockwise  anticlockwise  anticlockwise  front ring  product component front ring  design of the front ring  material of the front ring  material of the front ring  material of the holder  material of the holder  plastic  Display  number of LED modules  product function positive opening  product component light source  2  Absolute  45°  Yes  45°  Wes  Plastic  Plastic  Display  No	shape of the actuating element	round
number of switching positions  actuating angle  clockwise 45° anticlockwise 45°  front ring  product component front ring design of the front ring material of the front ring  material of the holder  material of the holder  Plastic  Display  number of LED modules  product function positive opening product component light source  3  45°  45°  Yes  45°  Wes  45°  Wes  45°  Wes  45°  Wes  Metal, high gloss silver  Plastic  Display  No	outer diameter of the actuating element	32.3 mm
actuating angle  • clockwise  • anticlockwise  45°  Front ring  product component front ring  design of the front ring  material of the front ring  Color of the front ring  material of the holder  material of the holder  Plastic  Display  number of LED modules  General technical data  product function positive opening  product component light source  No	number of contact modules	2
<ul> <li>clockwise</li> <li>anticlockwise</li> <li>45°</li> <li>Front ring</li> <li>product component front ring</li> <li>design of the front ring</li> <li>material of the front ring</li> <li>color of the front ring</li> <li>miterial of the holder</li> <li>Holder</li> <li>material of the holder</li> <li>Plastic</li> <li>Display</li> <li>number of LED modules</li> <li>General technical data</li> <li>product function positive opening</li> <li>product component light source</li> <li>No</li> </ul>	number of switching positions	3
anticlockwise  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  General technical data  product component light source  No	actuating angle	
Front ring product component front ring design of the front ring 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  General technical data product function positive opening product component light source No	• clockwise	45°
product component front ring  design of the front ring  material of the front ring  Color of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  product function positive opening  product component light source  Yes  Metal, high gloss  silver  Plastic  O  General technical data  Product component light source  No	<ul><li>anticlockwise</li></ul>	45°
design of the front ring     standard       material of the front ring     Metal, high gloss       color of the front ring     silver       Holder     Plastic       Display     0       number of LED modules     0       General technical data     Yes       product function positive opening     Yes       product component light source     No	Front ring	
material of the front ring  color of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  General technical data  product function positive opening product component light source  Metal, high gloss  silver  Display  Plastic  O  General technical data  Product component light source  No	product component front ring	Yes
color of the front ring  Holder  material of the holder  Plastic  Display  number of LED modules  General technical data  product function positive opening product component light source  silver  Plastic  0  Ves  No	design of the front ring	standard
Holder material of the holder  Plastic  Display number of LED modules  General technical data  product function positive opening product component light source  No	material of the front ring	Metal, high gloss
material of the holder  Display  number of LED modules  General technical data  product function positive opening product component light source  Plastic  O  Ves No	color of the front ring	silver
number of LED modules  General technical data  product function positive opening Yes product component light source  No	Holder	
number of LED modules  General technical data  product function positive opening Yes  product component light source No	material of the holder	Plastic
General technical data  product function positive opening Yes  product component light source No	Display	
product function positive opening Product component light source  Yes No	number of LED modules	0
product component light source No	General technical data	
	product function positive opening	Yes
insulation voltage rated value 500 V	product component light source	No
inidalitation voltage rated value	insulation voltage rated value	500 V
degree of pollution 3	degree of pollution	3

Spe of voltage of the operating votage aurge voltage resistance rated value protection class IP  • of the terminal  degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  **hock resistance • according to IEC 60068-2-27  vibration resistance • according to IEC 60068-2-20		
protection class IP  of the terminal degree of protection NEMA rating shock resistance  e according to IEC 60068-2-27 vibration resistance  e according to IEC 60068-2-6  operating frequency maximum chanical service life (whiching cycles) typical thermal current 1 800 1/h thermal current of the Chancetristic MED continuous current of the Qulck DAZED fuse link Conti	type of voltage of the operating voltage	AC/DC
e of the terminal   IP20, damping screw tighthened   degree of protection NEMA rating   1, 2, 3, 3, 8, 4, 4, 12, 13   shock resistance   * according to IEC 60068-2-7   without no resistance   * according to IEC 60068-2-8		
degree of protection NEM rating   1, 2, 3, 3R, 4, 4X, 12, 13	•	
shock resistance  a cacording to IEC 60068-2-6  yobration resistance  a cacording to IEC 60068-2-6  porarting frequency maximum  mechanical service life (switching cycles) typical  tectrical endurance (switching cycles) typical  1 000 000  tectrical endurance (switching cycles) typical  1 000 000  thermal current  10 A  reference code according to IEC 81346-2  continuous current of the Quke DIAZED fuse link yobration to the C characteristic MCB  continuous current of the DIAZED fuse link yobration yobration your provided with the DIAZED fuse link yobration your provided with yobration your provided yobration you have yobration yobration you have yobration		
excording to IEC 60068-2-87   vibration resistance   10 500 Hz: 5g   10 500		1, 2, 3, 3R, 4, 4X, 12, 13
vibration resistance   10 500 Hz: 5g   100 00 ht   100 000 0		
e-according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical thormal current 100 0000  reference code according to IEC 81346-2 S continuous current of the C characteristic MCB continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link go 3 Up A Substance Prohibitance (Date)  operating voltage - at 60 Hz rated value - at 60 Hz ra		sinusoidal half-wave 15g / 11 ms
operating frequency maximum archanical service life (switching cycles) typical 1000 000 electrical endurance (switching cycles) typical 1000 000 thermal current 100 care of the Coharacteristic MCB 100 continuous current of the Coharacteristic MCB 100 continuous current of the Coharacteristic MCB 100 continuous current of the Object MIZED fuse link 200 continuous current of the DIAZED fuse link 200 continuous current		40 50011 5
mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical thermal current 10 A reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the pluck DIAZED fuse link continuous current of the puick DIAZED fuse link continuous current of the DIAZED fuse link continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  operating voltage  • at AC  — at 50 Hz rated value 5 500 V  - at 60 Hz rated value 5 500 V  Power Bioctronics  contact reliability One meloperation per 100 million (17 V, 5 mA), one meloperation per 10 million (5 V, 1 mA)  Auxillary circuit  design of the contact of auxillary contacts  number of NC contacts for auxillary contacts 2  Connections/ Terminals  type of electrical connection • of modules and accessories  very of connectable conductor cross-sections • solid with our end processing • all without core end processin		-
electrical endurance (switching cycles) typical thermal current freference code according to IEC 81348-2 sontinuous current of the C characteristic MCB continuous current of the Guick DIAZED fuse link continuous current of the PIAZED fuse link gG continuous current of the DIAZED fuse link gG substance Prohibitance (Date)  of al AC  — at 50 Hz rated value — at 60 Hz rated value — solve relectionics  Contact reliability  Million (5 V, 1 mA)  Auxillary circuit  design of the contact of auxillary contacts sumber of NC contacts for auxillary contacts 2 number of NC contacts for auxillary contacts 2 sold with core end processing • at AVC cables  * at AVC ables  * at AVC ables  * at VAC ables		
thermal current reference code according to IEC 81346-2 S continuous current of the Characteristic MCB continuous current of the quick DIAZED fuse link continuous current of the DAZED fuse link G Substance Prohibitance (Date) operating voltage • at AC  — at 50 Hz rated value • at DC rated value  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 solver alloy number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 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 2 number of NO contacts for auxiliary contacts 3 number of NO contacts for auxiliary contacts 2 number of NO contacts for auxiliary c		
reference code according to IEC 81346-2 continuous current of the Gukc DIAZED fuse link Continuous current of the Gukc DIAZED fuse link Gontinuous current of the DIAZED fuse link Gontinuous Current Gon		
continuous current of the C characteristic MCB continuous current of the buck DIAZED fuse link continuous current of the DAZED fuse link continuous current of the DAZED fuse link continuous current of the DAZED fuse link G substance Prohibitance (Date) operating voltage		
continuous current of the quick DIAZED fuse link G continuous current of the DIAZED fuse link gG 30 A Substance Prohibitance (Date) operating voltage		
continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  operating voltage  • at AC  — at 50 Hz rated value — st DC rated value — 5 500 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 2 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 connections/ Terminals  type of electrical connection • of modules and accessories  Sorew-type terminals  type of connectable conductor cross-sections • solid with core end processing • solid with core end processing • finely stranded with core end processing • finely stranded with core end processing • at AWG cables  1 tightening torque of the screws in the bracket 1 tightening torque with screw-type terminals  8 alto value with high demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  proporti		· · · · · · · · · · · · · · · · · · ·
Substance Prohibitance (Date) operating voltage		
operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated value 5 500 V  Power Electronics  contact reliability  — and the contact reliability  — and the contact of auxiliary contacts  contact reliability  — and the contact of auxiliary contacts  — number of NC contacts for auxiliary contacts  — of modules and accessories  — screw-type terminals  — script with own ore end processing  — script with out ore end processing  — script with out ore end processing  — script with number or end processing  — script with num		
• at AC  — at 50 Hz rated value — 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  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 2  connections/ Terminals  type of electrical connection • of modules and accessories  value with outce end processing • at AVC  at AVC cables  B10 value with high demand rate according to SN 31920 • with high demand rate according t		10/01/2017
- at 50 Hz rated value - at 60 Hz rated value - at 60 Hz rated value - at 60 Hz 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  design of the contact of auxiliary contacts		
at DC 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  design of the contact of auxiliary contacts Silver alloy number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 connections/ Terminals  Type of electrical connection of modules and accessories of modules and accessories of modules and accessories of solid without core end processing 2x (0.5 0.75 mm²) 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²		5 500 V
at DC rated value     bower Electronics     contact reliability     Auxiliary circuit     design of the contact of auxiliary contacts     number of NC contacts for auxiliary contacts     number of NC contacts for auxiliary contacts     connections/ Terminals     type of electrical connection		
Power Electronics  contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts  number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 connections/ Terminals  type of electrical connection • of modules and accessories • solid with core end processing • solid without core end processing • at AWG cables  tightening torque of the screws in the bracket 1 mightening torque with screw-type terminals  Safety rolated 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 • during storage • with conditions  ambient temperature • during operation • during storage • of modules and accessories  fastening method • of modules and accessories Front plate mounting width  vidth  vidth vidth  vidth vidth vidth vidth vidth vi		
contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 connections/ Terminals  type of electrical connection • of modules and accessories • solid with core end processing • solid with core end processing • finely stranded with core end processing • at AWG cables  tightening torque of the screws in the bracket tightening torque with screw-type terminals  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 solid with ow demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories  Front plate mounting  Auxiliary circuit  Silver alloy  Screw-type terminals  Screw-type terminal  Screw-type terminals  Screw-type terminals  Screw-type terminals  Screw-type terminal  2x (0.5 0.75 mm²)  2x (0.5 0.75 mm²)  2x (10 1.5 mm²)  2x (10 1.5 mm²)  2x (10 1.5 mm²)  2x (10 1.5 mm²)		
million (5 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 2 connections/ Terminals  type of electrical connection • of modules and accessories 1 type of connectable conductor cross-sections • solid with core end processing • solid with core end processing • finely stranded with core end processing • finely stranded with core end processing • at AWG cables 2 x (1.0 1.5 mm²) • at AWG cables 3 x (1.0 1.5 mm²) • at AWG cables 3 x (1.0 1.5 mm²) • at AWG cables 4 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 • during storage • during operation • during sto		One maloneration per 100 million (17 V, 5 mA), one maloneration per 10
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 2  Connections/ Terminals  type of electrical connection • of modules and accessories	oontast romasmity	
number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  2 connections/ Terminals  type of electrical connection  • of modules and accessories  Screw-type terminals  type of connectable conductor cross-sections  • solid with core end processing  • solid without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • at AWG cables  tightening torque of the screws in the bracket  1 1.2 N·m  tightening torque with screw-type terminals  8afoty related data  B10 value with high demand rate according to SN 31920  • with high demand rate according to SN 31920  fallure 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  conditions  fastening method  • of modules and accessories  • for public and accessories  • of modules and accessories  • of module	Auxiliary circuit	
number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  2 connections/ Terminals  type of electrical connection  • of modules and accessories  Screw-type terminals  type of connectable conductor cross-sections  • solid with core end processing  • solid without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • at AWG cables  tightening torque of the screws in the bracket  1 1.2 N·m  tightening torque with screw-type terminals  8afoty related data  B10 value with high demand rate according to SN 31920  • with high demand rate according to SN 31920  fallure 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  conditions  fastening method  • of modules and accessories  • for public and accessories  • of modules and accessories  • of module		Silver alloy
number of NO contacts for auxiliary contacts  type of electrical connection		2
type of electrical connection	number of NO contacts for auxiliary contacts	2
of modules and accessories     type of connectable conductor cross-sections	Connections/ Terminals	
type of connectable conductor cross-sections	type of electrical connection	screw-type terminals
• solid with core end processing • solid without core end processing • solid without core end processing • finely stranded with core end processing • finely stranded with core end processing • at AWG cables	<ul> <li>of modules and accessories</li> </ul>	Screw-type terminal
solid without core end processing     finely stranded with core end processing     finely stranded with core end processing     e finely stranded without core end processing     e at AWG cables     2x (1,0 1,5 mm²)     3x (18 14)     1 12 N·m     1	type of connectable conductor cross-sections	
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> <li>2x (1,0 1,5 mm²)</li> <li>2x (1,0 1,5 mm²)</li> <li>2x (18 14)</li> <li>tightening torque of the screws in the bracket</li> <li>tightening torque with screw-type terminals</li> <li>0.8 0.9 N·m</li> </ul> Safety related data B10 value with high demand rate according to SN 31920 <ul> <li>with low demand rate according to SN 31920</li> <li>with high 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> </ul> Ambient conditions <ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC</li> <li>60721</li> </ul> Ambient stranged <ul> <li>40 +80 °C</li> <li>environmental category during operation according to IEC</li> <li>60721</li> </ul> Installation/ mounting/ dimensions <ul> <li>fastening method</li> <li>of modules and accessories</li> <li>Front plate mounting</li> <li>height</li> <li>40 mm</li> <li>width</li> </ul> 32.3 mm	<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>finely stranded without core end processing</li> <li>at AWG cables</li> <li>2x (1,0 1,5 mm²)</li> <li>2x (18 14)</li> <li>tightening torque of the screws in the bracket</li> <li>tightening torque with screw-type terminals</li> <li>0.8 0.9 N·m</li> </ul> Safety related data B10 value with high demand rate according to SN 31920 <ul> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <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> </ul> Ambient conditions <ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC</li> <li>60721</li> <li>condensation in operation permitted for all devices behind front panel)</li> </ul> Installation/ mounting/ dimensions fastening method <ul> <li>of modules and accessories</li> <li>Front plate mounting</li> <li>height</li> <li>width</li> </ul> 32.3 mm Transpired <ul> <li>2x (18 14)</li> <li>1 1.2 N·m</li> <li>0.8 0.9 N·m</li> </ul> Sample <ul> <li>au 1 1.2 N·m</li> <li>0.8 0.9 N·m</li> </ul>	<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)
at AWG cables  tightening torque of the screws in the bracket  tightening torque with screw-type terminals  0.8 0.9 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  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 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  32.3 mm	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
tightening torque of the screws in the bracket tightening torque with screw-type terminals  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 100 FIT 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 height width  1 1.2 N·m 0.8 0.9 N·m  20 % 20 % 20 % 100 FIT 31920  20 % 100 FIT 3920  -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 32.3 mm	<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm²)
tightening torque with screw-type terminals  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  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  height  width  0.8 0.9 N·m  300 000  20 %  100 FIT  330 FIT  330 FIT  340 FIT  341 FIT  341 FIT  342 FIT  343 FIT  344 FIT  345 FIT  345 FIT  346 FIT  347 FIT  347 FIT  348 FIT  349 FIT  340 FIT  340 FIT  341 FIT  342 FIT  343 FIT  344 FIT  345 FIT  345 FIT  346 FIT  347 FIT  348 FIT  348 FIT  349 FIT  340 FIT  340 FIT  340 FIT  340 FIT  340 FIT  341 FIT  341 FIT  342 FIT  343 FIT  344 FIT  345 FIT	at AWG cables	2x (18 14)
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  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  height  width  300 000  300 000  20 %  100 FIT  300 FIT  30	tightening torque of the screws in the bracket	1 1.2 N·m
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  Installation/ mounting/ dimensions  fastening method  of modules and accessories  height  width  300 000  20 %  100 FIT  300 FIT  300 FIT  300 FIT  300 FIT  300 FIT  300 FIT  40 FIT  300 FIT  300 FIT  300 FIT  300 FIT  40 FIT  40 FIT  300 FIT  300 FIT  300 FIT  300 FIT  40 FIT  40 FIT  40 FIT  300 FIT  40 FIT	tightening torque with screw-type terminals	0.8 0.9 N·m
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  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  20 %  100 FIT  309 FIT  308 FIT  309 FIT  309 FIT  300 FIT  400 FIT  300 FIT  300 FIT  300 FIT  400 FIT  300 FIT  300 FIT  300 FIT  300 FIT  400 FIT  300 FIT  300 FIT  300 FIT  300 FIT  300 FIT  400 FIT  300	Safety related data	
<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>Ambient conditions</li> <li>ambient temperature</li> <li>during operation</li> <li>during storage</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>height</li> <li>width</li> <li>20 %</li> <li>100 FIT</li> <li>100 FIT</li> <li>300 FIT</li> <li>3</li></ul>	B10 value with high demand rate according to SN 31920	300 000
<ul> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>Ambient conditions</li> <li>ambient temperature         <ul> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</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)</li> </ul> <li>Installation/ mounting/ dimensions</li> <li>fastening method         <ul> <li>of modules and accessories</li> <li>Front plate mounting</li> <li>height</li> <li>width</li> </ul> </li> <li>20 %</li> <li>100 FIT</li> <li>100 FIT</li> <li>100 FIT</li> <li>100 FIT</li> <li>100 FIT</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> <li>Front plate mounting</li> <li>40 mm</li> <li>width</li> <li>32.3 mm</li>	proportion of dangerous failures	
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  ### 40 mm  ### width  100 FIT  100	<ul> <li>with low demand rate according to SN 31920</li> </ul>	
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  -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  width  32.3 mm	with high demand rate according to SN 31920	20 %
ambient temperature		100 FIT
<ul> <li>◆ during operation</li> <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>height</li> <li>width</li> <li>−25 +70 °C</li> <li>−40 +80 °C</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> <li>Front plate mounting</li> <li>40 mm</li> <li>width</li> <li>32.3 mm</li> </ul>	Ambient conditions	
<ul> <li>◆ during storage         <ul> <li>-40 +80 °C</li> </ul> </li> <li>environmental category during operation according to IEC 60721         <ul> <li>Installation/ mounting/ dimensions</li> </ul> </li> <li>fastening method         <ul> <li>◆ of modules and accessories</li> <li>height</li> <li>width</li> </ul> </li> <li>Front plate mounting</li> <li>40 mm</li> <li>width</li> <li>32.3 mm</li> </ul>	ambient temperature	
environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  height  width  width  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  32.3 mm	<ul> <li>during operation</li> </ul>	-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	during storage	-40 +80 °C
fastening method     Front plate mounting       o of modules and accessories     Front plate mounting       height     40 mm       width     32.3 mm		
● of modules and accessories Front plate mounting height 40 mm width 32.3 mm	Installation/ mounting/ dimensions	
height         40 mm           width         32.3 mm	fastening method	
width 32.3 mm	<ul> <li>of modules and accessories</li> </ul>	Front plate mounting
	height	40 mm
shape of the installation opening round	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
Certificates/ approvals	

Further information

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-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-2BL60-1LA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-2BL60-1LA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-2BL60-1LA0-Z X90&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-2BL60-1LA0-Z X90&lang=en</a>

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