## 3SU1150-2BF60-1MA0

**Data sheet** 



Selector switch, illuminable, 22 mm, round, metal, shiny, white, selector switch, short, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, with holder, 1 NO, 1 NC, 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>	3SU1400-1AA10-1BA0
<ul> <li>of supplied contact module at position 2</li> </ul>	3SU1400-1AA10-1CA0
<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
<ul> <li>of the supplied actuator</li> </ul>	3SU1052-2BF60-0AA0
Enclosure	
number of command points	1
Actuator	
design of the actuating element	Selector, short
principle of operation of the actuating element	latching, 90° (10:30 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	2
actuating angle	
• clockwise	90°
Front ring	
product component front ring	Yes
design of the front ring	standard
material of the front ring	Metal, high gloss
color of the front ring	silver
Holder	
material of the holder	Plastic
Display	
number of LED modules	0
General technical data	
product function positive opening	Yes
product component light source	No
insulation voltage rated value	500 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC

protection class IP  of the terminal degree of protection MEMA rating shock resistance  according to IEC 60068-2.27  vibration resistance according to IEC 60068-2.6  poperating frequency maximum mechanical source life (switching oydes) typical thermal current frequency maximum mechanical source life (switching oydes) typical thermal current frequency maximum thermal current frequency maximum thermal current of the characteristic MCB continuous current of the DIAZED fase link gG substance Prohibitance (Data) Continuous current of the Quick DIAZED fase link gG substance Prohibitance (Data) continuous current of the Quick DIAZED fase link gG substance Prohibitance (Data) continuous current of the Quick DIAZED fase link gG substance Prohibitance (Data) coperating voltage at AC  at DC rated value  at 60 Hz rated value  at 60 Hz rated value  at 60 Hz rated value  business of the contact of auxiliary contacts contact reliability  Auxiliary circuit design of the contact of auxiliary contacts cumber of NO contacts for auxiliary contacts  umber of NO contacts for auxiliary contacts  umber of NO contacts for auxiliary contacts  ype of consectable conductor cross-sections acid without core and processing and the processing and without core and processing and the processing and		0.127
about resistance  according to IEC 00068-2:7  without resistance  according to IEC 00068-2:8  according to IEC 01068-2:8  according to IEC 011068-2:8  according to IEC 011068-2:9  according to IEC 01	surge voltage resistance rated value	6 kV
degree of protection NEMA rating shock resistance * according to IEC 60068-2-27 vibration resistance * according to IEC 60068-2-26 perating frequency maximum * 1 800 1/h methanical service life (switching cycles) typical 1 000 000 electrical andurance (switching cycles) typical 1 000 000 electrical andurance (switching cycles) typical 1 000 000  thermal current 1 0 A reference code according to IEC 81345-2 Sociationus current of the Quick DIAZED fuse link continuous current of the Carbon fuse continuous current of the Quick DIAZED fuse link continuous current of the Qui	•	
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vibration resistance   caccording to EEC 80088-2-6   10500 Hz: 5g	shock resistance	
exacording to IEC 600863-2-6 operating frequency maximum mechanical service life (avitching cycles) typical tleotrical endurance (switching cycles) typical thermal current 10 A reference code according to IEC 81346-2 S continuous current of the C Enarcteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link G Substance Prohibitance (Date) operating voltage al AC — at 50 Hz rated value — at 60 C rated value — at 60 C contact of auxiliary contacts Silver alloy 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 1 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 yee of electrical connection • of modules and accessories 1 valid without core end processing • all AVC acables 1 of modules and accessories • all AC acables 1 of modules and accessories • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
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electrical endurance (switching cycles) typical thermal current thermal curren	operating frequency maximum	1 800 1/h
thermal current reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link at DC rated value  - at 60 Hz rated	mechanical service life (switching cycles) typical	1 000 000
reference code according to IEC 81346-2 continuous current of the Quick DIAZED fuse link continuous current of the pulck DIAZED fuse link go substance Prohibitance (Date) operating voltage	electrical endurance (switching cycles) typical	10 000 000
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continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC  — at 50 Hz rated value  • at DC contacts for auxiliary contacts  1  connections/ 1 to think to the properties of the contact of auxiliary contacts  1  connections/ 1 to think to the properties of the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1 to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  2 to think to the contact of auxiliary contacts  2 to think to think to the contact of auxiliary contacts  2 to think to think to	continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  • at AC  — at 50 Hz rated value  • at DC contacts for auxiliary contacts  1  connections/ 1 to think to the properties of the contact of auxiliary contacts  1  connections/ 1 to think to the properties of the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1  connections/ 1 to think to the contact of auxiliary contacts  1 to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  1 to think to the contact of auxiliary contacts  2 to think to the contact of auxiliary contacts  2 to think to think to the contact of auxiliary contacts  2 to think to think to	continuous current of the quick DIAZED fuse link	10 A
Substance Prohibitance (Date) operating voltage		10 A
• at AC  — at 50 Hz rated value — at 60 Hz rated value 5 500 V  Power Electronics  contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1  number of NC contacts for auxiliary contacts 1  number of NC contacts for auxiliary contacts 4 of modules and accessories 4 of modules and accessories 5 solid with core end processing 6 inely stranded with core end processing 7 of inely stranded without core end processing 8 at AWC cables 9 of endy by stranded without core end processing 9 at AWC cables 10 yellow with screw-type terminals 10 yellow with high demand rate according to SN 31920 10 yellow with high demand rate according to SN 31920 10 with high demand rate according to SN 31920 10 with high demand rate according to SN 31920 10 with high demand rate according to SN 31920 10 with high demand rate according to SN 31920 10 with high demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 10 with injeh demand rate according to SN 31920 20 % 21 with injeh demand rate according to SN 31920 20 % 21 with injeh demand rate according to SN 31920 20 % 21 with injeh demand rate according to SN 31920 20 % 21 with injeh demand rate according to SN 31920 20 % 21 with injeh demand rate according to SN 31920 20 % 21 with injeh demand rate according to SN 31920 20 with injeh dema		10/01/2014
at AC  at 50 Hz rated value  at DC rated value  at DC rated value  5 500 V  at DC rated value  5 500 V  contact reliability  Cone 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 NG contacts for auxiliary contacts 1  Inumber of NG contacts for auxiliary contacts 1  Connections/Terminals  Type of electrical connection  of modules and accessories  solid with core end processing  e solid without core end processing  finely stranded with core end processing  at AWG cables  at AWG cables  tightening torque of the screws in the bracket tightening torque with screw-type terminals  10 a 15 mm²)  at AWG cables  11 by a ta AWG cables  12 c (1.0 1.5 mm²)  at AWG cables  13 c (1.0 1.5 mm²)  at AWG cables  24 (1.0 1.5 mm²)  at AWG cables  25 c (1.0 1.5 mm²)  at AWG cables  26 c (1.0 1.5 mm²)  at AWG cables  27 c (1.0 1.5 mm²)  at AWG cables  28 c (1.0 1.5 mm²)  at AWG cables  29 c (1.0 1.5 mm²)  at With ligh demand rate according to SN 31920  at AWG cables  10 on 000  10 on 000  10 on 000  10 on 000  11 on 000  12 on 000  13 on 000  14 on 000  15 on 0000  16 on modules and accessories  ambient temperature  a during operation  a during storage  antimated of a modules and accessories  ambient temperature  a during operation  a during storage  antimated of a modules and accessories  fastening method  a of modules and accessories  front plate mounting  fastening method  a of modules and accessories  front plate mounting  found  found		
- at 50 Hz rated value - at 60 Hz rated value 5 500 V - at 60 Hz rated value 5 500 V  Power Electronics  contact reliability		
at DC rated value 5 500 V  Power Electronics  contact reliability		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 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1  Connections/ Terminals  Type of electrical connection		
Contact reliability		
Contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1  Connections/ Terminals  type of electrical connection • of modules and accessories  Pinely stranded with out core end processing • finely stranded with out core end processing • at AWG cables  tightening torque with screw-type terminals  2x (1.0 1.5 mm²) 2x (1.0 1.5 mm²) 2x (1.0 1.5 mm²) 3 tightening torque with screw-type terminals  2x (1.0 1.5 mm²) 2x (1.0 1.5 mm²) 3 tightening torque with screw-type terminals  8 toy the screw in the bracket 1 1.2 N·m 1 tightening torque with screw-type terminals  8 toy all without core end processing 9 tightening torque of the screws in the bracket 1 1.2 N·m 2 tightening torque with screw-type terminals  8 toy all with high demand rate according to SN 31920 9 with high demand rate according to SN 31920 20 %  failure rate [FIT] with low demand rate according to SN 31920 4 during storage 9 during operation 9 during storage 9 during operation 9 during storage 9 during operation 1 conditions 1 ambient temperature 9 during operation 9 during dimensions 1 fastening method 9 of modules and accessories 1 number 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA) 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (18 Victorial per 10 mi		0 000 V
million (6 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 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 • finely stranded with core end processing • at AWG cables  tightening torque with srew-type terminals  8 2x (1.0 1.5 mm²) • at AWG cables • 2x (1.0 1.5 mm²) • at AWG cables • 2x (1.0 1.5 mm²) • at AWG cables • 2x (1.0 1.5 mm²) • at AWG cables • 2x (1.0 1.5 mm²) • at With ligh demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with ligh demand rate according to SN 31920  100 FIT  31920  Ambient conditions  ambient temperature • during operation • during storage • during storage • during storage • during storage • with ounding dimensions  fastening method • of modules and accessories • front plate mounting  height width 32.3 mm shape of the installation opening		One realization read (00 '11' (47) ( 5 A)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1  connections/ Terminals type of electrical connection • of modules and accessories solid with core end processing • solid without 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  2x (1.0 1.5 mm²) • x (1.0 1.5 mm²) • x (1.0 1.5 mm²) • tightening torque of the screws in the bracket tightening torque with screw-type terminals  2x (1.0 1.5 mm²) • x (1.0 1.5 mm	contact reliability	
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts  type of electrical connection ● of modules and accessories  type of electrical connection ● of modules and accessories  screw-type terminals  type of electrical conductor cross-sections ● solid with core end processing ● solid with core end processing ● solid without core end processing ● finely stranded with core end processing ● finely stranded with core end processing ● at AlWG cables  tightening torque of the screws in the bracket  itightening torque of the screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920 ● with high demand rate according to SN 31920 ● with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • during operation • during operation • during storage  environmental category during operation according to IEC  60721  fastening method  • of modules and accessories  festening method  • of modules and accessories  feront plate mounting  festening method  • of modules and accessories  feront plate mounting  fund  ### Office of the installation opening  1	Auxiliary circuit	
number of NO contacts for auxiliary contacts  type of electrical connection	design of the contact of auxiliary contacts	Silver alloy
type of electrical connection	number of NC contacts for auxiliary contacts	1
type of electrical connection	number of NO contacts for auxiliary contacts	1
of modules and accessories     type of connectable conductor cross-sections	Connections/ Terminals	
of modules and accessories     type of connectable conductor cross-sections	type of electrical connection	screw-type terminals
type of connectable conductor cross-sections		
solid with core end processing     solid without core end processing     solid with core end processing     solid without core end processing     solid with core end processing     solid without ear end without     solid with with with with with with with with	type of connectable conductor cross-sections	
• solid without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables 2x (1.0 1.5 mm²) • at AWG cables 1 1.2 N·m • above 1.0 000  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 low demand rate according to SN 31920 • at AWG cables 1 1.2 N·m 1.0 000  proportion of dangerous failures • with low demand rate according to SN 31920 20 %  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature • during operation • during operation • during operation • during operation • adving storage • average aver	••	2x (0.5 0.75 mm²)
<ul> <li>• finely stranded with core end processing</li> <li>• finely stranded without 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>3</li></ul>		
<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>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 high demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>demand rate according to SN 31920</li> <li>with low demand rate according to SN 31920</li> <li>with low demand rate according to SN 31920</li> <li>demand rate according to SN 31920</li> <li>31920</li> </ul> Ambient conditions <ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</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>Front plate mounting</li> <li>height</li> <li>width</li> <li>shape of the installation opening</li> </ul>	·	
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  • 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 nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • with nigh demand rate according to SN 31920  • during operation  • during operation  • during storage  • during storage  • during operation  • during storage  • 40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  Front plate mounting  height  40 mm  width  32.3 mm  shape of the installation opening		
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 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature • during operation • during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions fastening method • of modules and accessories  Front plate mounting height  40 mm width shape of the installation opening  1 1.2 N·m  1		
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  failure rate [FIT] with low demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories  Front plate mounting  height  40 mm  width  shape of the installation opening  round		
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  shape of the installation opening  100 000  20 %  100 FIT  30 FIT  31920  40 WHITH  30 FIT  31920  40 FIT  31920  40 FIT  31920  40 FIT  31920  40 FIT  31920  3100 FIT  31920  40 FIT  31920  40 FIT  31920  3100 FIT  31920  40 FIT  31920  40 FIT  31920  31920  40 FIT  31920		
B10 value with high demand rate according to SN 31920  proportion of dangerous failures  with low demand rate according to SN 31920  with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  during operation  during storage  environmental category during operation according to IEC 60721  installation/ mounting/ dimensions  fastening method  of modules and accessories  height  width  shape of the installation opening  100 000  20 %  100 FIT  300 FIT  400 FIT  300 FIT  400 FIT  400 FIT  300 FIT  400 FIT  400 FIT  400 FIT  300 FIT  400 FIT		0.0 0.8 NTII
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 shape of the installation opening  20 %  100 FIT  306 FIT  308 FIT  308 FIT  309 FIT  300 FIT  400 FIT  300 FIT  400 FIT  300 FIT  400 FIT  400 FIT  300 FIT  400 FIT  300		
<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>shape of the installation opening</li> <li>100 FIT</li> <li>3100 FIT</li> <li>300 F</li></ul>		100 000
<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>         SM6, 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> <li>32.3 mm</li> <li>shape of the installation opening</li> </ul> </li>		
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  shape of the installation opening  100 FIT		
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  shape of the installation opening  -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  shape of the installation opening	with high demand rate according to SN 31920	20 %
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  shape of the installation opening  -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		100 FIT
ambient temperature  • during operation • during storage • during storage • environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories  height  width shape of the installation opening  -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  round		
<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         <ul> <li>of modules and accessories</li> <li>height</li> <li>width</li> <li>shape of the installation opening</li> </ul> </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> </ul> <li>Front plate mounting</li> <li>40 mm</li> <li>32.3 mm</li> <li>round</li>		
<ul> <li>during storage         <ul> <li>during storage</li> <li>-40 +80 °C</li> </ul> </li> <li>environmental category during operation according to IEC 60721         <ul> <li>3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>fastening method</li> <li>of modules and accessories</li> <li>Front plate mounting</li> </ul> </li> <li>height         <ul> <li>40 mm</li> </ul> </li> <li>width         <ul> <li>32.3 mm</li> <li>shape of the installation opening</li> <li>round</li> </ul> </li> </ul>	•	-25 +70 °C
environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method  of modules and accessories  height  width  shape of the installation opening  a 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		
Installation/ mounting/ dimensions  fastening method		
fastening method       ● of modules and accessories     Front plate mounting       height     40 mm       width     32.3 mm       shape of the installation opening     round		condensation in operation permitted for all devices behind front panel)
● of modules and accessories  Front plate mounting  height  40 mm  width  32.3 mm  shape of the installation opening  round		
height40 mmwidth32.3 mmshape of the installation openinground	•	5
width     32.3 mm       shape of the installation opening     round		·
shape of the installation opening round		
	width	32.3 mm
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	49.7 mm

## Certificates/ approvals

**General Product Approval** 

**Declaration of** Conformity





Confirmation







**Declaration of** Conformity

**Test Certificates** 

Marine / Shipping

**Special Test Certific-**<u>ate</u>

Type Test Certificates/Test Report







Marine / Shipping

other





**Environmental Confirmations** 

Confirmation

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=3SU1150-2BF60-1MA0

Cax online generator

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-2BF60-1MA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1150-2BF60-1MA0&lang=en

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