## SIEMENS

## Data sheet

## 3SU1100-7BF10-1QA0



Coordinate switch, 22 mm, round, plastic, black, 4 switch positions, momentary contact type, with mechanical interlocking in O position, with holder, 1 NO, 1 NO, 1 NO, screw terminal

•	
product brand name	SIRIUS ACT
product designation	Coordinate switches
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
<ul> <li>of supplied contact module at position 2</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
<ul> <li>of supplied contact module at position 3</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
<ul> <li>of supplied contact module at position 4</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0BA10-0AA0</u>
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1000-7BF10-0AA0</u>
Enclosure	
shape of the enclosure front	round
Actuator	
design of the actuating element	with mechanical interlocking
principle of operation of the actuating element	momentary contact type
direction of actuation	horizontal / vertical
product extension optional light source	No
color of the actuating element	black
material of the actuating element	plastic
shape of the actuating element	Extended handle
outer diameter of the actuating element	30.5 mm
number of contact modules	4
type of unlocking device	push-to-unlatch mechanism
number of switching positions	4
Maximum deflection angle [°]	30°
Front ring	
product component front ring	Yes
design of the front ring	high
material of the front ring	plastic
color of the front ring	black
Holder	
material of the holder	Plastic
General technical data	
product function positive opening	No
insulation voltage rated value	500 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC

Targe for large for any formation of the transmall         Press, PPC           • of the terminal         PPS, PPC           • of the terminal         PPS           • occording to EC 0006-2-27         sinusoidal haf-wave 15g / 11 ms.           • occording to EC 0006-2-6         to	surge voltage resistance rated value	6 kV
• the terminal         P20           shock resistance         sinusoidal half-wave 15g / 11 ms           • according to EC 60082-26         10500 Hz: 5g           • according to EC 60082-26         50.000           • according to EC 60082-26         10500 Hz: 5g           • according to EC 60082-26         50.000           • according to EC 60082-26         50.000           • according to EC 60082-26         50.000           • according to EC 60082-26         50		
shock resistance       sinusoidal half-wave 15g / 11 ms         • according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         • according to IEC 60068-2-2       10 500 Hz: 5g         • according to IEC 60068-2-3       2400 1/h         • according to IEC 60068-2-6       2000         • according to IEC 60068-2-6       10 500 Hz: 5g         • according to IEC 60068-2-7       2400 1/h         • according to IEC 60068-2-6       500 000         electrical advarance (switching cycles) which       10 000 000         electrical advarance (switching cycles) which       10 000 000         continuous current of the Charaderistic MGB       10 A         reference code according to IEC 81348-2       S         continuous current of the Charaderistic MGB       10 A         continuous current of the Charaderistic MGB       10 A         continuous current of the Charaderistic MGB       10 A         contact reliability       0001/2014         operating voltage       5 500 V         • alt DC rated value       5 500 V         • alt	•	
• according to IEC 0008-2-27         #nusoidal half-wave 15g / 11 ms           vibration resistance        500 H/z: 5g           • according to IEC 0008-2-8         240 1h           • according to IEC 0008-2-8         10 0.000           • according to IEC 0008-2-8         10 0.000           • according to IEC 0008 byteal         10 0.000           • according to IEC 01346-2         5           • according to IEC 01346-2         5           • acontinuous current of the Quick DJAZED tuse link         10 A           • act 50 hz rated value         5 500 V           • at 50 hz rated value         5 500 V           • at 50 hz rated value         5 500 V           • at 50 hz rated value         5 500 V           • at 50 hz rated value         5 500 V           • at 50 hz rated value         5 500 V           • at 50 hz rated value         5 500 V           • at CD rated value         5 500		
ubitation resistance         according bic E0 6098-2/6         10 500 Hz: 50           operating frequency maximum         2 400 th           es operating percé per direction of actuation typical         500 000           electrical adrurance (switching cycles) typical         10 000 000           electrical adrurance (switching cycles) typical         10 000 000           continuous current of the Quck UNA2ED tupe link         10 A           reference code according to IEC 81345-2         S           continuous current of the Quck DIAZED tupe link (g0         10 A           Substance Prohibitance (Oate)         100 A           Substance Prohibitance (Oate)         100 A           Substance Prohibitance (Oate)         100 A           Substance Prohibitance (Oate)         5 500 V           - art 60 Hz rated value         5 500 V           - art 60 Hz rated value         5 500 V           - art 60 Hz rated value         5 500 V           - art 60 Hz rated value         5 500 V           - art 60 Hz rated value         5 500 V           - art 60 Hz rated value         5 500 V           - art 60 Hz rated value         5 500 V           - art 60 Hz rated value         5 500 V           - art 60 Hz rated value         5 500 V <t< td=""><td></td><td>sinusoidal half-wave 15g / 11 ms</td></t<>		sinusoidal half-wave 15g / 11 ms
• excording to UEC 0008-2-5         10         500 Hz: 5g           operating frequency maximum         240 hh         500 000           • es operating period per direction of actuation typical         500 000         500 000           electrical endurance (switching cycles) typical         1000 000         500 000           electrical endurance (switching cycles) typical         1000 000         500 000           electrical endurance (switching cycles) typical         100 000         500 000           enditiouss current of the 0 LD AZED fuse link (control to STIC 8134-2         S         5           continuous current of the 0 LD AZED fuse link (control to STIC 8134-2         S         5           continuous current of the 0 LD AZED fuse link (control to STIC 8134-2         S         5           operating voltage		
operating frequency maximum         2 400 /h           es operating perclop art dividency cycles)         500 000           electrical advance (switching cycles) (ypical         10 000 000           electrical advance (switching cycles) (ypical         10 000 000           continuous current of the Characteristic MCB         10 A. for a short-circuit current smaller than 400 A.           continuous current of the Characteristic MCB         10 A. for a short-circuit current smaller than 400 A.           continuous current of the Characteristic MCB         10 A. for a short-circuit current smaller than 400 A.           continuous current of the Characteristic MCB         10 A. for a short-circuit current smaller than 400 A.           continuous current of the Characteristic MCB         10 A.           operating voltage         5 500 V           - at 50 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           - at 61 Mz rated value         5 500 V           - at 61 Hz rated value         5 500 V           - at 61 Mz rated value         5 500 V           - at 61 Hz rated value         5 500 V           - at 61 Mz rated valu		10 500 Hz <sup>-</sup> 5a
mechanical service life (switching cycles)         500 000           electrical endurance (switching cycles) typical         10 000 000           electrical endurance (switching cycles) typical         10 000 000           electrical endurance (switching cycles) typical         10 000 000           electrical endurance (switching cycles) typical         10 A           reference code according to IEC 81346-2         S           continuous current of the Quick DAZED fuse link (gC         10 A           continuous current of the Quick DAZED fuse link (gC         10 A           substance Prohibitance (Date)         1001/2014           operating voltage         • 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           - 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           - at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V		
• as operating period per direction of actuation typical         500 000           electrical endurance (switching cycles) typical         10 000 000           contactors SRT1015 to SRT1025 typical         10 A           reference code according to IEC B1346-2         S           continuous current of the CLASED fuse link         10 A           continuous current of the quick DIAZED fuse link (G         10 A           continuous current of the Quick DIAZED fuse link (G         10 A           substance Prohibitance (Date)         10 A           output of the quick DIAZED fuse link (G         10 A           substance Prohibitance (Date)         100 12014           operating voltage         5 500 V           - at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           of DL rated value         5 500 V           ocntat reliability         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)           Auxiliary circuit         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)           Auxiliary circuit         Silver alloy           design of the contact of auxiliary contacts         Silver alloy           per electricuit connection of modules and accosoning to N 13020         Pointoni tore end		2 400 1/11
electrical endurance (witching cycles) with evortical endurance (witching cycles) with continuous current of the C characteristic MCB continuous current of the C characteristic MCB continuous current of the DLAZED fuse link continuous current of the DLAZED fuse link contacted value = at 80 Hz rated rate according to SN 31920 = with link demand rate ac		500.000
electrical endurance (ewhiching cycles) with contactors 3711018 to 3711026 typical         10.000.000           thermal current         10 A           reference code according to IEC 81346-2         S           continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link GO         10 A           continuous current of the Quick DIAZED fuse link GO         10 A           continuous current of the Quick DIAZED fuse link GO         10012014           operating voltage         5 500 V           - at 50 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           - at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           Context for auxiliary contacts         Silver alloy           number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           valid with core and processing         \$z (1015 mm <sup>2</sup> )           • solid with core and processing         \$z (1015 mm <sup>2</sup> )           • solid with core and processing         \$z (1015 mm <sup>2</sup> )           • at 60 reases		
contactors 3RT1015 to 3RT1025 typical           thermal current         10 A           reference code according to EC 81346-2         S           continuous current of the quick DAZED fuee link (active current of quick DAZED fuee link (active current of the quick DAZED fuee link (active cureent of the quic		
hermal current         10 A           reference code according to IEC 81346-2         S           continuous current of the Qick DIAZED fuse link,         10 A, for a short-circuit current smaller than 400 A           continuous current of the Qick DIAZED fuse link,         10 A           Substance Prohibitance (Date)         1001/2014           operating voltage		10 000 000
reference code according to IEC 81346-2         S           continuous current of the quick DAZED fuse link, G         10 A, for a short-circuit current smaller than 400 A           continuous current of the quick DAZED fuse link, G         10 A           Substance Prohibitance (Date)         100/1/2014           operating voltage         • at 60 Hz rated value           • at 60 Hz rated value         5 500 V           - at 60 Hz rated value         5 500 V           • at DC rated value         5 500 V           Power Electronics         0           Contact reliability         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)           Auxiliary circuit         Silver alloy           design of the contact for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           /py of electrical connection of modules and accessories         Screw-type terminal           /py of optictrical duta         2x (0 5 0.75 mm <sup>2</sup> )           * solid with our ore end processing         2x (1 0 1.5 mm <sup>2</sup> )           * and WG cables         2x (0 5 1.0 m <sup>2</sup> )           * and WG		10 A
continuous current of the C characteristic MCB         10 A: for a short-circuit current smaller than 400 A           continuous current of the lick DIAZED fuse link         10 A           continuous current of the lick DIAZED fuse link         10 A           operating voltage         10 A           - at 60 Hz rated value         5500 V           - at 00 Crated value         5500 V           - at 00 Hz rated value         5500 V           - at 00 Crated value         5500 V           - contact reliability         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million 47 V, 5 mA), one maloperation per 10 million 47 V, 5 mA), one maloperation per 10 million 50 V           Auxiliary circuit         design of the contacts for auxiliary contacts           design of the contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           type of electrical connection of modules and accessories         5/crew-type terminal           type of onectable conductor cross-sections         5/cl 0 15 mm <sup>2</sup> )           • solid with core end processing         2x (10 15 mm <sup>2</sup> )           • finely stranded without core end processing         <		
continuous current of the quick DIAZED fuse link gG       10 A         continuous current of the DIAZED fuse link gG       10 A         stubstance Prohibitance (Date)       100/1/2014         operating voltage       et AC         - at 50 Hz rated value       5 500 V         - at 50 Hz rated value       5 500 V         - at 50 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 reliability       One maloperation per 100 million (17 V, 5 mA), one maloperation per 10         design of the contact of auxiliary contacts       0         number of NC contacts for auxiliary contacts       0         number of NC contacts for auxiliary contacts       4         Connectional / Terminals       5/// 100/	<u>`</u>	
continuous current of the DIAZED fuse link gG       10 A         Substance Prohibitance (Date)       1001/2014         operating voltage       10 A         • at AC       - at 50 Hz rated value         - at 00 Hz rated value       5 500 V         • at DC rated value       5 500 V         contact reliability       One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)         Auxiliary circuit       Generation for auxiliary contacts         design of the contact of auxiliary contacts       0         number of NC contacts for auxiliary contacts       0         Type of connectable conductor cross-sections       Strew-type terminal         type of connectable conductor cross-sections       Strew-type terminal         solid without core end processing       2x (0.5 15 mm <sup>3</sup> )         • finely stranded withous core end processing       2x (0.5 15 mm <sup>3</sup> )         • finely stranded without core end processing       2x (1.0 1.5 mm <sup>3</sup> )         • at AWG cables       2x (1.0 1.5 mm <sup>3</sup> )         • with whigh demand rate according to SN 31920       20 %     <		
Substance Prohibitance (Date)         10/01/2014           operating voltage         -           • at AC         -           at 50 Hz rated value         5 500 V           • at AC         5 500 V           at 50 Hz rated value         5 500 V           ottade value         5 500 V           contact reliability         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)           Auxiliary circuit         Silver alloy           design of the contact of auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           One conducts for auxiliary contacts         4           Operative of electrical connection of modules and accessories         Screw-type terminal           type of connectable conductor cross-sections         • solid without core end processing           • solid without core end processing         2x (10 1.5 mm <sup>2</sup> )           • finely stranded without core end processing         2x (10 1.5 mm <sup>2</sup> )           • solid without core end processing         2x (10 1.5 mm <sup>2</sup> )           • at AVVG cables         2x (10 1.5 mm <sup>2</sup> )           • at AVG cables         2x (10 1.5 mm <sup>2</sup> )           • with low demand rate according to SN 31920         20 %           • with low demand rate according	· · ·	
operating voltage <ul> <li>et AC</li> <li>at AC</li> <li>at AC</li> <li>at AC</li> <li>at BO Hz rated value</li> <li>at DC rated value</li> <li>at DC rated value</li> <li>at DC rated value</li> <li>at DC rated value</li> </ul> contact reliability         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)           Auxiliary circuit         Silver alloy           design of the contact of auxiliary contacts         0               number of NC contacts for auxiliary contacts             4               Connectations/ Torminals             Silver alloy               type of electrical connaction of modules and accessories             Serew-type terminal               type of electrical connaction of modules and accessories             Serew-type terminal               type of electrical connaction of modules and accessories             Serew-type terminal               type of electrical connaction of modules and accessories             Serew-type terminal               type of electrical connaction of modules and accessories             Set (10 15 mm <sup>3</sup> )               inferly stranded with core end processing             Zx (10 15 mm <sup>3</sup> )               elid with ore end processing             Zx (10 15 mm <sup>3</sup> )               et AWC coales		
• at AC		
		5 500 V
• at DC rated value       5 500 V         Power Electronics       Contact reliability         contact reliability       One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)         design of the contact of auxiliary contacts       Silver alloy         number of NC contacts for auxiliary contacts       0         number of NC contacts for auxiliary contacts       4         Connections/ Terminals       ype of electrical connection of modules and accessories         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         tay of the or end processing       2x (0.5 0.75 mm <sup>3</sup> )         • solid with out core end processing       2x (1.0 1.5 mm <sup>3</sup> )         • at AWG cables       2x (1.0 1.5 mm <sup>3</sup> )         • at AWG cables       1 1.2 Nm         Bightening torque of the screws in the bracket       1 1.2 Nm         Bight on add rate according to SN 31920       20 %         • with high demand rate according to SN 31920 <td></td> <td></td>		
Power Electronics           contact reliability         One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)           Auxiliary circuit         Silver alloy           design of the contact of auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           One relation of MO contacts for auxiliary contacts         4           Connections/ Terminals         5           type of electrical connection of modules and accessories         5           • solid with core end processing         2x (0.5 0.75 mm <sup>3</sup> )           • solid without core end processing         2x (1.0 1.5 mm <sup>3</sup> )           • finely stranded without core end processing         2x (1.0 1.5 mm <sup>3</sup> )           • at AWG cables         2x (1.0 1.5 mm <sup>3</sup> )           • at AWG cables         1 1.2 Nm           tightening torque for auxiliary contacts with screw-type         250 000           preportion of dangerous failures         20 %           • with low demand rate according to SN 31920         20 %           • with low demand rate according to SN 31920         20 %           • utring operation         -25 +70 °C           • during storage         -40 +40 °C           environmental category during operation according to IEC 0721         306, 352, 323, 333, 333, 333, 333, 333, 33		
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         0           number of NC contacts for auxiliary contacts         0         0           number of NC contacts for auxiliary contacts         0         0           Connectable conductor cross-sections         • solid with core end processing         2x (0.5 0.75 mm²)           • solid with core end processing         2x (1.0 1.5 mm²)         2x (1.0 1.5 mm²)           • finely stranded with core end processing         2x (1.0 1.5 mm²)         2x (1.0 1.5 mm²)           • finely stranded with core end processing         2x (1.0 1.5 mm²)         2x (1.0 1.5 mm²)           • at AWG cables         1 1.2 N·m         0.8 11 N·m           tightening torque of the screws in the bracket         1 1.2 N·m         0.8 1 N·m           story related data         250 000         20 %         20 %           • with low demand rate according to SN 31920         20 % </td <td></td> <td>5 500 V</td>		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       0         Connections/ Terminals       4         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Support the connection of modules and accessories         • solid with core end processing       2x (10 1.5 mm <sup>2</sup> )         • finely stranded with core end processing       2x (10 1.5 mm <sup>2</sup> )         • at AWG cables       2x (10 1.5 mm <sup>2</sup> )         • at WG cables       2x (10 1.5 mm <sup>2</sup> )         • at WG cables       2x (10 1.5 mm <sup>2</sup> )         Safety related data       Entrana         B10 value with high demand rate according to SN 31920       20 %         • with high demand rate according to SN 31920       20 %         • with low demand rate according to SN	Power Electronics	
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       0         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         type of electrical connection of modules and accessories       Screw-type terminal         solid with core end processing       2x (0.5 0.75 mm <sup>2</sup> )         e. solid without core end processing       2x (1.0 1.5 mm <sup>2</sup> )         e. finely stranded without core end processing       2x (1.0 1.5 mm <sup>2</sup> )         e. tatAWG cables       2x (1.0 1.5 mm <sup>2</sup> )         stafty related data       1 12 N:m         B10 value with high demand rate according to SN 31920       20 %         ewith ligh demand rate according to SN 31920       20 %         e with low demand rate according to SN 31920       20 %         failure rate [FIT] with low demand rate according to SN 31920       20 %         failure rate conditions       40 480 °C         amblent conditions       25 47	contact reliability	
design of the contacts of auxiliary contacts         Silver alloy           number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         4           Connectable conductor cross-sections         5crew-type terminal           type of electrical connection of modules and accessories         Screw-type terminal           type of electrical connectable conductor cross-sections         2x (0.5 0.75 mm²)           • solid without core end processing         2x (10 1.5 mm²)           • finely stranded without core end processing         2x (10 1.5 mm²)           • at AWG cables         2x (11 1.2 mm²)           • at AWG cables         2x (18 1.4)           tightening torque for auxiliary contacts with screw-type         0.8 1 N·m           terminals         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 %           • ablent conditions         ambient conditions           ambient conditions         -25 +70 °C           • during operation         -25 +70 °C           • during storage         -40 +80 °C           enviromenetal category during operation a	Auxiliary circuit	
number of NC contacts for auxiliary contacts       0         number of NC contacts for auxiliary contacts       4         Connections/Terminals       5         type of electrical connection of modules and accessories       Screw-type terminal         type of connectable conductor cross-sections       • solid with ocre end processing       2x (0.5 0.75 mm²)         • solid without core end processing       2x (1.0 1.5 mm²)       2x (0.5 0.75 mm²)         • finely stranded with core end processing       2x (1.0 1.5 mm²)       2x (0.5 0.75 mm²)         • at AWG cables       2x (1.0 1.5 mm²)       2x (1.0 1.5 mm²)         • at AWG cables       2x (1.0 1.5 mm²)       0.8 14)         tightening torque of the screws in the bracket       1 1.2 N·m       0.8 1 N·m         tightening torque of auxiliary contacts with screw-type terminals       0.8 1 N·m       0.8 1 N·m         Safety related data       20 %       0.8 1 N·m       0.8 1 N·m         B10 value with high demand rate according to SN 31920       20 %       0.8 1 N·m       0.8 1 N·m         status       0.8 1 N·m		Silver allov
number of NO contacts for auxiliary contacts       4         Connections/Terminals       Screw-type terminal         type of electrical connectable conductor cross-sections       Screw-type terminal         • solid with core end processing       2x (0.5 0.75 mm²)         • solid without core end processing       2x (1.0 1.5 mm²)         • finely stranded with core end processing       2x (1.0 1.5 mm²)         • finely stranded without core end processing       2x (1.0 1.5 mm²)         • at AWG cables       2x (1.1 1.4)         tightening torque of the screws in the bracket       1 1.2 N·m         tightening torque of na uxiliary contacts with screw-type       0.8 1 N·m         staty related data       250 000         Safety related data       250 000         Proportion of dangerous failures       20 %         • with high 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       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       20 %         failure rate [FIT] with low demand rate accordi		
Connections/ Terminals           type of electrical connection 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)         2x (1.0 1.5 mm²)           • finely stranded without core end processing         2x (1.0 1.5 mm²)         2x (1.0 1.5 mm²)           • at AWG cables         2x (1.0 1.5 mm²)         2x (1.0 1.5 mm²)           • at AWG cables         0.8 1 N·m         1 1.2 N·m           tightening torque of the screws in the bracket         1 1.2 N·m         0.8 1 N·m           Safety related data         250 000         250 000           proportion of dangerous failures         20 %         20 %           • with low demand rate according to SN 31920         20 %         20 %           * with low demand rate according to SN 31920         20 %         20 %           * ambient temperature         -40 +80 °C         -40 +80 °C           environmental category during operation according to IECC 60721         3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation in operatio		
type of electrical connection of modules and accessories         Screw-type terminal           type of connectable conductor cross-sections <ul></ul>		4
type of connectable conductor cross-sections• solid with core end processing2x (0.5 0.75 mm²)• solid with core end processing2x (1.0 1.5 mm²)• finely stranded with core end processing2x (1.0 1.5 mm²)• finely stranded with core end processing2x (1.0 1.5 mm²)• at AWG cables2x (1.0 1.5 mm²)• at WG cables2x (1.0 1.5 mm²)• at WG cables2x (1.0 1.5 mm²)• at WG cables2x (1.0 1.5 mm²)• with high demand rate according to SN 3192020 %• with high demand rate according to SN 3192020 %• with high demand rate according to SN 3192020 %• failure rate [FIT] with low demand rate according to SN 3192020 %• during operation-25 +70 °C• during storage-40 +80 °C• during storage-40 +80 °C• during storage-40 +80 °C• of modules and accessoriesfront plate mounting• of modules an		Corow two terminal
<ul> <li>solid with core end processing</li> <li>solid with core end processing</li> <li>solid without core end processing</li> <li>tinely stranded with core end processing</li> <li>2x (1.0 1.5 mm²)</li> <li>finely stranded without core end processing</li> <li>2x (1.0 1.5 mm²)</li> <li>at AWG cables</li> <li>2x (1.0 1, 5 mm²)</li> <li>2x (1.0 1, 5</li></ul>		Screw-type terminal
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