SIEMENS

Data sheet

3SU1100-1HB20-1CF0



EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, without inscription, with holder, 1 NC, screw terminal

product brand name	SIRIUS ACT		
product designation	EMERGENCY STOP mushroom pushbuttons		
design of the product	Complete unit		
product type designation	3SU1		
product line	Plastic, black, 22 mm		
manufacturer's article number			
 of supplied contact module at position 1 	<u>3SU1400-1AA10-1CA0</u>		
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>		
 of the supplied actuator 	<u>3SU1000-1HB20-0AA0</u>		
 of supplied accessory 	<u>3SU1900-0BC31-0AA0</u>		
Enclosure			
number of command points	1		
Actuator			
design of the actuating element	positive latching		
principle of operation of the actuating element	latching		
product extension optional light source	No		
color of the actuating element	red		
material of the actuating element	plastic		
shape of the actuating element	round		
outer diameter of the actuating element	40 mm		
number of contact modules	1		
type of unlocking device	rotate-to-unlatch mechanism		
Front ring			
product component front ring	No		
Holder			
material of the holder	Plastic		
Display			
number of LED modules	0		
General technical data			
product function			
positive opening	Yes		
EMERGENCY OFF function	Yes		
EMERGENCY STOP function	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		

surger voltage resistance rated value 6 kV protection class IP P66, IPC7, IP60(IP60K) protection class IP of the terminal P20 degree of protection class IP 12, 3, 3, 8, 4, X, 12, 13 shock resistance structuotal half-wave fbg/11 ms - correlings propilations according to EN 61373 Catagory 1, Class B vibration resistance 10, 500 ftz, 5g - for railway applications according to EN 61373 Catagory 1, Class B operating frequency maximum 600 th mechanical serves life (operating cycles) typelal 500 000 electric inclustance (operating cycles) typelal 500 000 reference code according to IEC 61346-2 S continuous current of the (operating cycles) typelal 500 000 reference code according to IEC 61346-2 S continuous current of the quol ADZED fuse link gG 10 A continuous current of the quol ADZED fuse link gG 10 A substance Prohubitance (Date) 5, 600 V - at 60 Hz rated value 5, 600 V - at 60 Hz rated value 5, 600 V - at 60 Hz rated value 5 600 V - at 60		
protection data IP of the terminal IP 20 edgree of protection NEMA rating 1, 2, 3, BK, 4, X, 12, 13 shock resistance shock resistance • to rativally applications according to EN 61373 Category 1, Class B • the rativally applications according to EN 61373 Category 1, Class B • eccording to EC 6068-24 10 500 Hz: 5g • the rativally applications according to EN 61373 Category 1, Class B Operating Teques, maximum 600 1h mechanics service Iffe (perating cycles) typical 300 000 Electrical endrazed, cigerating cycles typical 300 000 Electrical endrazed, cigerating cycles typical 300 000 Continuous current of the QLAZED fuse link 10 A 10A, for a stock-foruid current semiller than 400 A Continuous current of the QLAZED fuse link 10 A 100.1/2014 Weight 82 g - operating toques -	surge voltage resistance rated value	6 kV
legree of protection NEMA rating 1, 2, 3, 58, 4, 4X, 12, 13 shock resistance sinuacidal half-wave (5g / 11 ms • ic criding to EC 6008-247 sinuacidal half-wave (5g / 11 ms • ic criding spectral according to EN 01373 Classop 1, Class B • ic criding spectral according to EN 01373 Classop 1, Class B • ic railway application according to EN 01373 Classop 1, Class B • or railway application according to EN 01373 Classop 1, Class B operating frequency maximum 600 1/h metahancial service Bit (operating cycles) typical 300 000 determine and proteins (Ed B) 10A, A reference code according to EC 91346-2 5 continuous current of the QLAZED fuse link 10A, continuous current of the QLAZED fuse link 10A, continuous current of the QLAZED fuse link 10A, contact relativative 5 500 V	protection class IP	IP66, IP67, IP69(IP69K)
shock realizations seconding to EX 81373 structure 15g / 11 ms category 1, Class B vibration resistance seconding to EX 81373 category 1, Class B uncodel hard verse 15g / 11 ms category 1, Class B uncode to EX 85g category 1, Class B	protection class IP of the terminal	IP20
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
	shock resistance	
vbccom 0500 Hz; 5g extraining to EC 6008-26 10500 Hz; 5g extraining the EC 6008-26 10500 Hz; 5g extraining trequency maximum 600 hin metchanical service link (operating cycles) typical 300 000 electrical andurance (peraining cycles) typical 300 000 electrical andurance (peraining cycles) typical 300 000 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 plazeD fuse link gG 10 A dustance Prinibitance (Date) 100 Vir2014 Weight 82 g operating voltage 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 <t< td=""><td>according to IEC 60068-2-27</td><td>sinusoidal half-wave 15g / 11 ms</td></t<>	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• eccording to EC 6006-2-6 (D500 Hz: 5g Category 1, Class B Generating frequency maximu 600 hh mechanical service life (operating cycles) typical 300 000 detectional endocording to EC 8136-2 S continuous current of the C characteristic ROB 10 A reference code according to EC 8136-2 S continuous current of the QubZED has link g to A continuous current of the QubZED has link g to A continuous current of the QubZED has link g to A continuous current of the QubZED has link g to A continuous current of the QubZED has link g to A continuous current of the QubZED has link g to A continuous current of the QubZED has link g to A continuous current of the QubZED to a short-circuit current smaller than 400 A continuous current of the QubZED set link continuous current of the QubZED to a short-circuit current smaller than 400 A continuous current of the QubZED set link contact of auxiliary contact s contact of auxiliary contact s contact of auxiliary contacts contact o	 for railway applications according to EN 61373 	Category 1, Class B
• for raiway applications according to EM 191373 Calapoy 1, Class B operating frequency maximum 600 1h mechanical service life (operating cycles) typical 300 000 detectial endurance (operating cycles) typical 300 000 detectial endurance (operating cycles) typical 300 000 continuous current of the Calascriptist (MS 10 A continuous current of the quick DAZED fuse link 10 A continuous current of the quick DAZED fuse link (GD 10 A Substance Prohibitance (Date) 82 g • at AC 500 V = 10 Hz rated value 5 500 V - ontot value 5 500 V = 10 Hz rated value 5 500 V = 0 Hz rated	vibration resistance	
• for raiway applications according to EM 191373 Calapoy 1, Class B operating frequency maximum 600 1h mechanical service life (operating cycles) typical 300 000 detectial endurance (operating cycles) typical 300 000 detectial endurance (operating cycles) typical 300 000 continuous current of the Calascriptist (MS 10 A continuous current of the quick DAZED fuse link 10 A continuous current of the quick DAZED fuse link (GD 10 A Substance Prohibitance (Date) 82 g • at AC 500 V = 10 Hz rated value 5 500 V - ontot value 5 500 V = 10 Hz rated value 5 500 V = 0 Hz rated	 according to IEC 60068-2-6 	10 500 Hz: 5g
operating frequency maximum 600.1h mechanical service life (operating cycles) typical 300.000 decirclal environce (operating cycles) typical 300.000 freference code according to EC 81345-2 S continuous current of the C characteristic MCB 10 Å, for a short-circuit current smaller than 400 Å continuous current of the Quick DAZED hase link gG 10 Å distance Prohibitance (Date) 100 10214 Weight 82 g operating voltage 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500 V - art 60 Har rated value 5 500		-
mechanical service life (operating cycles) typical 300 000 electrical endurance (operating cycles) typical 300 000 freference code according to IEC 81345-2 S continuous current of the coltactoristic MCB 10 A, for a short-circuit current smaller than 400 A continuous current of the optick DIAZED fuse link 10 A Substance Trohibitance (Date) 100 1/2014 Weight 82 g operating voltage - - 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 - 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		
electrical endurance (operating cycles) typical 300.000 thermal current 10 A reference code according to IEC 81346-2 S continuous current of the C characteristic MCB 10 A. for a short-circuit current smaller than 400 A continuous current of the QLAD KIZED fuse link gG 10 A. Substance Prohibitance (Date) 100 1/2014 Weight 82 g operating voltage 100 1/2014 • at AC - - at E0 Hz rated value 5 600 V - at B0 Hz rated value 5 600 V Power IEdestronics 0 contact of auxillary contacts Silver alloy number of NC contacts for auxillary contacts 1 number of NC contacts for auxillary contacts 0 Contact for auxillary contacts Screw-type terminal type of electronics 0 contact rollability 2x (0 5 075 mm²) • oid without core end processing 2x (0 5 075 mm²) • oid without core end processing 2x (0 5 15 mm²) • oid without core end processing 2x (1 0 15 mm²) • oid without core end processing 2x (1 0 15 mm²) • oid without core end processing 2x (0 5 0.75 mm²) • oid without core end processing 2x (1 0 15 mm²) • oid wit		
thermal current 10 A reference code according to IEC 8146-2 S continuous current of the Quarcheristic MCB 10 A, for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link 10 A Substance Prohibitance (Date) 100/12014 Weight 82 g • at AC		
reference code according to IEC 81346-2 S continuous current of the Qcharacteriste MCB 10 A for a short-circuit current smaller than 400 A continuous current of the Quk DAZED fuse link 10 A Substance Prohibitance (Date) 100/12014 Weight 82 g operating voltage - - 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 50 Hz rated value 5 500 V - at 00 Crated value 5 500 V <td></td> <td></td>		
continuous current of the C characteristic MCB 10 A: for a short-circuit current smaller than 400 A continuous current of the DL2ED fuse link df 10 A Substance Prohibitance (Date) 1001/2014 Weight 82 g • at AC		
continuous current of the quick DIAZED fuse link 10.A continuous current of the DIAZED fuse link g0 10.A Substance Prohibitance (Date) 100/12014 Weight B2.g operating voltage - at 50 Hz rated value - at 50 Hz rated value 5 500 V - at 50 Hz rated value 5 500 V - at 00 Hz rated value 5 500 V - at 00 Lz rated value 5 500 V - at 00 Crated value 5 500 V Contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (20 V, 1 mA) Auxiliary circuit (5.V, 1 mA) Auxiliary circuit 1 Auxiliary circuit 1 Auxiliary circuit 1 Auxiliary circuit 5 Auxiliary contacts 0 Connections/Terminals 1 type of econtacts for auxiliary contacts 0 Connections/Terminals 24 (0.5 0.75 mm ²) • fold with core end processing 24 (0.5 1.5 mm ²) • fold without core end processing 24 (0.5 1.5 mm ²) • fold value for according to SN 31920 20 % • fold value for according to SN 31920 20 % • with low demand rate according to SN 31920 20 % • with low demand rate according t		
continuous current of the DIAZED fuse link gG 10 A Substance Prohibitance (Date) 1001/2014 Weight 82 g 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 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 - 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 Data (Standard Controls) 0 number of NC contacts for auxiliary contacts 1 - number of NC contacts for auxiliary contacts 0 Vpe of connectable conductor cross-sections \$crew-type terminal Vps of connectable conductor cross-sections \$crew-type terminal Vps of contacts of the screws in the bracket 1 1.5 mm ³ • finely stranded with core end processing \$crew (1 1.5 mm ³) • finely strand		
Substance Prohibitance (Dato) 10/01/2014 Weight 82 g operating voltage 6 - at 50 Hz rated value 5 500 V - at 00 Hz rated value 5 500 V - at DC rated value 5 500 V - at DC 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 (10 V, 10 million (10 V, 10 million (10 V, 10 million		
Weight 82 g operating voltage		
operating voltage at AC at AC at SD Hz rated value bt AC at SD Hz rated value bt AC at DC rated value bt AC evaluation Sum SO V bt AC Power Electronics One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one		
• at AC at 50 Hz rated value 5 500 V at 50 Hz rated value 5 500 V • at DC rated value value 5 500 V • at DC rated value value 5 500 V • at ON contacts for auxiliary contacts 0 Connectional Terminals Vpe of connection of consessing • of Modules and accessories Screw-type terminal Vpe of connectable conductor cross-sections • (10 15 mm?) • finely stranded without core end processing 2x (15 15 mm?) • finely diade value of the screws in the bracket 1 12 Nm Ightening torque for auxillary contacts with screw-		82 g
	• at AC	
• at DC rated value 5 500 V Power Electronics One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) Auxiliary circuit design of the contact of auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 0 Connectional 0 0 Connectional forminals 0 0 • of modules and accessories Screw-type terminal type of connectable conductor cross-sections • solid without one end processing 2x (10 15 mm ²) • solid without one end processing 2x (10 15 mm ²) • (10 15 mm ²) • finely stranded with core end processing 2x (10 15 mm ²) • (10 12 Nm ²) • finely stranded with core end processing 2x (10 15 mm ²) • (10 12 Nm ²) • finely stranded with core end processing 2x (10 12 Nm ²) • (10 12 Nm ²) • fightering torque for auxiliary contacts with screw-type terminals 0 8 0.9 Nm Safety related data 90% • with how demand rate according to SN 31920 20 % • with how demand rate according to SN 31920 100 FIT 100 FIT 31920 11 Value for profitest interval or service life according to IEC 20 a<	— at 50 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 1 number of NC contacts for auxiliary contacts 1 1 number of NC contacts for auxiliary contacts 0 0 Connections/ Terminals 0 0 type of electrical connection 0 0 • of modules and accessories Screw-type terminal 1 type of 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) • finely stranded with core end processing 2x (1.0 1.5 mm²) • finely stranded with core end processing 2x (1.0 1.5 mm²) • for AWG cables 1 bightening torque of the screws in the bracket 1 1.2 Nm 1 1 1 toportion of dangerous failures 0 0.8 0.9 Nm 20 % 100 000 100 PTT Safety rolated data 100 000 100 PTT 11 12 Million (17 ° C 20 % 20 % 20 %	— at 60 Hz 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 design of the contact of auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 0 number of NC contacts for auxiliary contacts 0 0 Connections/ Terminals 0 0 type of electrical connection 0 0 • of modules and accessories Sorew-type terminal type of oncertable conductor cross-sections • soild without core end processing 2x (0.5 0.75 mm²) • soild without core end processing 2x (1.0 1.5 mm²) • for AVG cables • finely stranded with core end processing 2x (1.0 1.5 mm²) • for AVG cables tightening torque of the screws in the bracket 1 1.2 N/m 1 1.2 N/m tightening torque of auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data 1 1.2 N/m 1 1.5 mm²) proportion of dangerous failures 0.8 0.9 N·m Safety related data 1 1.5 mm²) 11 low low demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 NO failure rate [FT] with low demand rate according to IEC 20 a 15038 Ambient conditions <	 at DC rated value 	5 500 V
Auxiliary circuit design of the contact of auxiliary contacts Silver alloy number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 Connections/ Terminals Type of electrical connection • of modules and accessories Screw-type terminal Type of electrical conductor cross-sections • (0.50.75 mm ²) • solid with core end processing 2x (0.50.75 mm ²) • solid with core end processing 2x (1.01.5 mm ²) • finely stranded with core end processing 2x (1.01.5 mm ²) • finely stranded with core end processing 2x (1.01.5 mm ²) • finely stranded without core end processing 2x (1.0	Power Electronics	
Auxiliary circuit Silver alloy number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 Connections/ Terminals 0 type of electrical connection 0 • of modules and accessories Screw-type terminal type of onectable conductor cross-sections 0 • solid without 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) • for AWG cables 2x (1.1 1.4) tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data 1 1.2 N m proportion of dangerous failures 0 • with high demard rate according to SN 31920 20 % B10 value with high demard rate according to SN 31920 20 % IEC 61508 11 T1 value for proof test interval or service life according to IEC 20 a 61508 -14 +20 °C T1 value for proof test interval or service life according to IEC 20 a	contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million
design of the contact of auxiliary contacts Silver alloy number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 Connections/Terminals 0 type of electrical connection of modules and accessories solid with core end processing 2x (0.5 0.75 mm ³) e solid with core end processing 2x (1.0 1.5 mm ³) e finely stranded with core end processing 2x (1.0 1.5 mm ³) e finely stranded with core end processing 2x (1.0 1.5 mm ³) e for AWG cables 2x (1.0 1.5 mm ³) e for AWG cables 2x (1.0 1.5 mm ³) e for AWG cables 2x (1.0 1.5 mm ³) e for AWG cables 2x (1.0 1.5 mm ³) e for AWG cables 2x (1.0 1.5 mm ³) e for AWG cables 2x (1.0 1.2 Nm tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data proportion of dangerous failures 0.8 0.9 N·m 9 allo value with high demand rate according to SN 31920 20 % 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 000 100 000 failure rate acoming to serv		(5 V, 1 mA)
number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 Connections/Terminals 5 type of electrical connection • of modules and accessories Screw-type terminal 5 type of electrical connectable conductor cross-sections 2 • solid with core end processing 2× (10 1.5 mm²) • solid without core end processing 2× (10 1.5 mm²) • finely stranded without core end processing 2× (10 1.5 mm²) • finely stranded without core end processing 2× (10 1.5 mm²) • finely stranded without core end processing 2× (10 1.5 mm²) • finely stranded without core end processing 2× (10 1.5 mm²) • finely stranded without core end processing 2× (10 1.5 mm²) • finely stranded with core end processing 2× (10 1.5 mm²) • finely dragenus failures 1 1.2 N:m • with loy dengrous failures 1 1.2 N:m • with low demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % If value with high demand rate according to SN 31920 100 FIT	Auxiliary circuit	
number of NO contacts for auxiliary contacts 0 Connections/ Type of electrical connection of anodules and accessories Screw-type terminal type of connectable conductor cross-sections Screw-type terminal type of connectable conductor cross-sections Screw-type terminal • solid with core end processing 2x (0.5 0.75 mm ³) • solid with core end processing 2x (1.0 1.5 mm ³) • finely stranded with out core end processing 2x (1.0 1.5 mm ³) • for AVG cables 2x (1.0 1.5 mm ³) • for AVG cables 2x (1.0 1.5 mm ³) • for AVG cables 2x (1.0 1.5 mm ³) • for AVG cables 2x (1.0 1.5 mm ³) • for AVG cables 2x (1.0 1.5 mm ³) • for AVG cables 2x (1.0 1.5 mm ³) • for Avg on the screws in the bracket 1 1.2 N·m tightening torque of the screws in the bracket 1 1.2 N·m with low demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to IEC 20 a <td>design of the contact of auxiliary contacts</td> <td>Silver alloy</td>	design of the contact of auxiliary contacts	Silver alloy
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 with core end processing 2x (1.0 1.5 mm²) • infely stranded with core end processing 2x (1.0 1.5 mm²) • finely stranded with out core end processing 2x (1.0 1.5 mm²) • finely stranded with out core end processing 2x (1.0 1.5 mm²) • finely stranded without core end processing 2x (1.0 1.5 mm²) • finely stranded without core end processing 2x (1.0 1.5 mm²) • finely stranded with out core end processing 2x (1.0 1.5 mm²) • finely stranded without core end processing 2x (1.0 1.5 mm²) • finely stranded without core end processing 2x (1.0 1.5 mm²) • for AWC cables 2x (1.8 14) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque of damagrous failures 0.8 0.9 N·m Safety related data 20 % Proportion of dangerous failures 20 % • with high demand rate according to SN 31920 20 % Islowa	number of NC contacts for auxiliary contacts	1
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 (0.1 1.5 mm²) finely stranded without core end processing 2x (1.0 1,5 mm²) of rAWG cables 2x (1.1 1.4) tightening torque of the screws in the bracket 1 1.2 N:m tightening torque of auxiliary contacts with screw-type terminals 0.8 0.9 N:m	number of NO contacts for auxiliary contacts	0
• of modules and accessories Screw-type terminal type of connectable conductor cross-sections • solid with core end processing • solid without core end processing 2x (0.5 0.75 mm²) • solid without core end processing 2x (1.0 1.5 mm²) • finely stranded with our end processing 2x (1.0 1.5 mm²) • finely stranded without core end processing 2x (1.0 1.5 mm²) • for AWG cables 2x (1.0 1.5 mm²) • for AWG cables 2x (1.0 1.2 N·m tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data	Connections/ Terminals	
type of connectable conductor cross-sections	tune of electrical connection	
 solid with core end processing solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing 2x (0.5 1.5 mm³) finely stranded without core end processing 2x (1.0 1,5 mm³) finely stranded without core end processing 2x (1.0 1,5 mm³) for AWG cables 2x (1.0 1,2 Nrm tightening torque of the screws in the bracket 1 1.2 Nrm tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 Nrm Safety related data proportion of dangerous failures with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 FIT 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Ambient conditions ambient temperature during storage -40 +80 °C environmental category during operation according to IEC 60721 60721 Environmental footprint Environmental Footprint Environmental Product Declaration(EPD) Yes 	type of electrical connection	
• solid without core end processing 2x (1.0 1.5 mm²) • finely stranded with core end processing 2x (0.5 1.5 mm²) • finely stranded without core end processing 2x (1.0 1.5 mm²) • for AWG cables 0.8 0.9 N·m Safety rolated data 0.8 0.9 N·m proportion of dangerous failures 0.8 0.9 N·m • with low demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to IEC 20 a 1EC 61508 100 FIT T1 value for proof test interval or service life according to IEC 20 a Ambient temperature -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental footprint <t< td=""><td></td><td>Screw-type terminal</td></t<>		Screw-type terminal
• solid without core end processing 2x (1.0 1.5 mm²) • finely stranded with core end processing 2x (0.5 1.5 mm²) • finely stranded without core end processing 2x (1.0 1.5 mm²) • for AWG cables 0.8 0.9 N·m Safety rolated data 0.8 0.9 N·m proportion of dangerous failures 0.8 0.9 N·m • with low demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to IEC 20 a 1EC 61508 100 FIT T1 value for proof test interval or service life according to IEC 20 a Ambient temperature -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental footprint <t< td=""><td>of modules and accessories</td><td>Screw-type terminal</td></t<>	of modules and accessories	Screw-type terminal
• finely stranded with core end processing 2x (0.5 1.5 mm²) • finely stranded without core end processing 2x (1.0 1,5 mm²) • for AWG cables 2x (18 14) tightening torque of the screws in the bracket 1 12 N·m tightening torque of auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data 700 °C • with low demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 FIT 31920 20 a F1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 a ambient temperature -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Environmental Product Declaration(EPD) <td< td=""><td>of modules and accessories type of connectable conductor cross-sections</td><td></td></td<>	of modules and accessories type of connectable conductor cross-sections	
 finely stranded without core end processing for AWG cables for AWG cables 2x (1,01,5 mm²) for AWG cables 2x (1814) tightening torque of the screws in the bracket 11.2 N·m tightening torque for auxiliary contacts with screw-type terminals 0.80.9 N·m Safety related data proportion of dangerous failures with high demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 FIT staged ambient temperature during operation -25 +70 °C during operation -25 +70 °C environmental category during operation according to IEC 306, 322, 323, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental Product Declaration(EPD) Yes 	of modules and accessories type of connectable conductor cross-sections osolid with core end processing	2x (0.5 0.75 mm²)
• for AWG cables 2x (18 14) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data 0.8 0.9 N·m proportion of dangerous failures 20 % • with low demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to IEC 61508 20 a T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions -25 +70 °C - ambient temperature -40 +80 °C environmental category during operation according to IEC 60721 3M6 3S2, 3E2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental Product Declaration(EPD) Yes	of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
tightening torque of the screws in the bracket 1 1.2 N·m tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data 0.8 0.9 N·m proportion of dangerous failures 0.8 0.9 N·m • with low demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 000 IEC 61508 100 FIT T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 ··· +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental Product Declaration(EPD) Yes	of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²)
tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data proportion of dangerous failures with low demand rate according to SN 31920 20 % with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 010 failure rate [FIT] with low demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 010 IEC 61508 100 FIT T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 a ambient temperature during operation -25 +70 °C -40 +80 °C environmental category during operation according to IEC 60721 Stordensation in operation permitted for all devices behind front panel) Environmental footprint Environmental Product Declaration(EPD) Yes 	of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²)
Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 FIT 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Ambient conditions ambient temperature • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14)
proportion of dangerous failures 20 % • with low demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 FIT IEC 61508 100 FIT T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 2025 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental Product Declaration(EPD) Yes	of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m
• with low demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 31920 100 FIT 31920 100 FIT IEC 61508 20 a T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 a ambient temperature -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental Product Declaration(EPD) Yes	of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m
• with high demand rate according to SN 31920 20 % B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 100 FIT 31920 100 FIT IEC 61508 20 a T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 a ambient temperature 20 a • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental Product Declaration(EPD) Yes	of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m
B10 value with high demand rate according to SN 31920 100 000 failure rate [FIT] with low demand rate according to SN 100 FIT 31920 100 FIT IEC 61508 20 a T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 a ambient temperature -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental Product Declaration(EPD) Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
failure rate [FIT] with low demand rate according to SN 31920 100 FIT IEC 61508 20 a T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 a ambient temperature • during operation • during storage -25 +70 °C -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m
31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 a ambient temperature 0 during operation -25 +70 °C -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data with low demand rate according to SN 31920 with high demand rate according to SN 31920 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 %
IEC 61508 20 a T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 a ambient conditions -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000
T1 value for proof test interval or service life according to IEC 61508 20 a Ambient conditions 20 a ambient temperature during operation -25 +70 °C during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque of auxiliary contacts with screw-type terminals Safety related data with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000
61508 Ambient conditions ambient temperature during operation -25 +70 °C during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000
ambient temperature • during operation • during storage • during storage • during storage • during storage • during operation according to IEC 60721 Store Environmental footprint Environmental Product Declaration(EPD) Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 IEC 61508 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000 100 FIT
• during operation -25 +70 °C • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000 100 FIT
• during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000 100 FIT
environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Environmental footprint Environmental Product Declaration(EPD) Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Ambient conditions	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000 100 FIT
60721 condensation in operation permitted for all devices behind front panel) Environmental footprint Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Ambient conditions ambient temperature 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000 100 FIT 20 a
Environmental footprint Environmental Product Declaration(EPD) Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Ambient conditions ambient temperature during operation 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000 100 FIT 20 a -25 +70 °C
Environmental Product Declaration(EPD) Yes	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Ambient conditions ambient temperature during operation during storage environmental category during operation according to IEC 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 20 % 100 000 100 FIT 20 a -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with how demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Ambient temperature during operation during storage environmental category during operation according to IEC 60721 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000 100 FIT 20 a -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
Global Warming Potential [CO2 eq] total 0.787 kg	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 IEC 61508 T1 value for proof test interval or service life according to IEC 61508 Ambient temperature during operation during storage environmental category during operation according to IEC 60721 	2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 100 000 100 FIT 20 a -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
	 of modules and accessories type of connectable conductor cross-sections solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Safety related data 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 failure for proof test interval or service life according to IEC 61508 T1 value for proof test interval or service life according to IEC 61508 ambient conditions	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (1.0 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m 20 % 20 % 20 % 100 000 100 FIT 20 a -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)

Global Warming Potential [CO2 eq] during man	ufacturing	0.566 kg		
Global Warming Potential [CO2 eq] during operation		0.235 kg		
Global Warming Potential [CO2 eq] after end of	f life	-0.015 kg		
Siemens Eco Profile (SEP)		Siemens EcoTech		
nstallation/ mounting/ dimensions				
fastening method		front plate mounting		
 of modules and accessories 		Front plate mounting		
height		40 mm		
width		30 mm		
shape of the installation opening		round		
mounting diameter		22.3 mm		
positive tolerance of installation diameter		0.4 mm		
mounting height		46.4 mm		
installation width		75 mm		
installation depth		48.6 mm		
Accessories				
number of backing plates		1		
color of backing plate		Yellow		
Approvals Certificates				
General Product Approval				
CCC CCC CCC EG-Konf.	UK CA	<u>Confirmation</u>	cULus	EHC
Test Certificates	other	Environment		
Type Test Certific- ates/Test Report Special Test Certific- ate	<u>Confirmatic</u>	ⁿ EPD	Siemens EcoTech	Environmental Con- firmations

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=3SU1100-1HB20-1CF0

Cax online generator

 Cax online generator

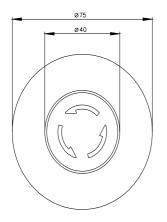
 http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-1CF0

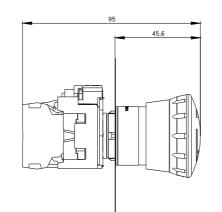
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

 https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CF0

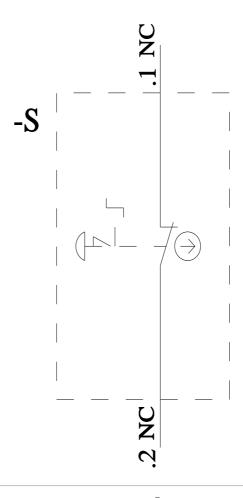
 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

 http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1CF0&lang=en









last modified:

6/15/2024 🖸

3SU11001HB201CF0 Page 4/5

1/12/2025

Subject to change without notice © Copyright Siemens