3SU1103-2BF64-1BA0

Data sheet



Selector switch, illuminable, 22 mm, round, plastic, white, knob, short, 2 switch positions O-I, latching, 10:30 / 13:30, with holder, with LED module, green, with integrated LED 110 V AC, 1 NO, screw terminal

product brand name	SIRIUS ACT
product designation	Selector switches
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
 of supplied contact module at position 1 	3SU1400-1AA10-1BA0
 of supplied LED module 	3SU1401-1BC40-1AA0
 of the supplied holder 	3SU1550-0AA10-0AA0
 of the supplied actuator 	3SU1002-2BF60-0AA0
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	1
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	plastic
color of the front ring	black
Holder	
material of the holder	Plastic
Display	
number of LED modules	1
General technical data	
product function positive opening	No
product component light source	Yes
insulation voltage rated value	320 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC
surge voltage resistance rated value	4 kV

Post		
degree of protection NEMA rating shock resistance a coording to IEC 60088-2-87 for railway applications according to EN 61373 category 1. Class 8 **Cornalway applications according to EN 61373 category 1. Class 8 **To railway applications according to EN 61373 category 1. Class 8 **To railway applications according to EN 61373 category 1. Class 8 **To railway applications according to EN 61373 category 1. Class 8 **To railway applications according to EN 61373 category 1. Class 8 **To railway applications according to EN 61373 category 1. Class 8 **To railway applications according to EN 61373 category 1. Class 8 **To railway applications according to EN 61374 category 1. Class 8 **To railway applications according to EN 61374 category 1. Class 8 **To railway applications according to EN 61374 category 1. Class 8 **To railway applications according to EN 61374 category 1. Class 8 **To Continuous current of the Characterist MCB continuous current of the DIAZED fuse link go 10. A. for a short-circuit current smaller than 400 A. **To Continuous current of the DIAZED fuse link go 10. A. **Substance Prohibitance (Dato) ***To Continuous current of the DIAZED fuse link go 4. A. A. ***— at 50 Hz rated value 5	•	
shock resistance * according to IEC 60989-2.27 * for relively applications according to EN 61373 Category 1, Class B * according to IEC 60989-2.48 * for relively applications according to EN 61373 Category 1, Class B * according to IEC 60988-2.4 * for relively applications according to EN 61373 Category 1, Class B * portally frequency maximum 1 800 1h mechanical service life (perating cycles) typical electrical endurance (operating cycles) typical 1 000 000 # centricular control of the C characteristic MCB continuous current of the C characteristic MCB continuous current of the C characteristic MCB continuous current of the DIAZED fuse link g0 30 A continuous current of the DIAZED fuse link g0 * and AC - at 50 Hz rated value - at 00 Hz rated		
* according to IEC 6098-2.47 * brailway applications according to EN 61373 * vibration resistance * according to IEC 6098-2.46 * for nalway applications according to EN 61373 * Catagopy 1, Class B * for nalway applications according to EN 61373 * Catagopy 1, Class B * for nalway applications according to EN 61373 * Catagopy 1, Class B * contract reliance (perating cycles) typical * 100 000 * described endurance (poerating cycles) typical * electrical endurance (poerating cycles) typical endurance (poerating cycles) * electrical endurance (poerating cycles) typical endurance (poerating cycle		1, 2, 3, 3R, 4, 4X, 12, 13
* for railway applications according to EN 61373 Uhration resistance * according to IEC 60068-2.6 * according to IEC 60068-	shock resistance	
Vibration resistance * according to IEC 60069-2-6 * for relievely applications according to EN 61373 Operating frequency maximum prechanical service life (operating cycles) typical 1 000 000 electrical endurance (operating cycles) typical 1 000 000 electrical endurance (operating cycles) typical 1 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 1 0 000 000 electrical endurance (operating cycles) typical 2 0 000 typical endurance (operating cycles) typical endurance (operati	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
- seconding to IEC 60068-2-6 - for rallway applications according to EN 61373 - operating frequency maximum rechanical service life (operating cycles) typical - 1000 000 - electrical endurance (operating cycles) typical - 1000 000 - 1000 00	for railway applications according to EN 61373	Category 1, Class B
e for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 th mechanical service life (operating cycles) typical 1 0000 000 electrical andurance (operating cycles) typical 1 0000 000 electrical andurance (operating cycles) typical 1 0000 000 electrical andurance (operating cycles) typical 1 0 000 000 electrical andurance (operating cycles) typical 1 0 000 000 electrical andurance (operating cycles) typical 1 0 000 000 electrical andurance (operating cycles) typical 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	vibration resistance	
operating frequency maximum mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical themal current 10 A reference code according to IEC 81346-2 S continuous current of the C characteristic MoB Continuous current of the Quick DAZED fuse link g Continuous current of the Quick DAZED fuse link g Continuous current of the Quick DAZED fuse link g Continuous current of the Quick DAZED fuse link g Continuous current of the Quick DAZED fuse link g Continuous current of the Quick DAZED fuse link g Substance Prohibitance (Date) - at 50 Hz rated value - at 60 Hz rated value - 5 500 V - 2 500 V - 2 500 V - 2 500 V - 3 500 V - 3 500 V - 4 500 V - 5 500 V - 5 500 V - 6 500 V - 6 500 V - 7 500 V - 7 500 V - 8 500 V - 8 500 V - 9 500 V - 9 500 V - 10 500 V	according to IEC 60068-2-6	10 500 Hz: 5g
mechanical service life (operating cycles) typical electrical andurance (operating cycles) typical electrical andurance (operating cycles) typical termand 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 quick DIAZED fuse link Continuous current of the DIAZED fuse link G Substance Prohibitance (Date) 1001/2014 Operating voltage 1017	 for railway applications according to EN 61373 	Category 1, Class B
electrical endurance (operating cycles) hypical thermal current thermal current thermal current treference code according to IEC 81346-2 S continuous current of the C characteristic MCB continuous current of the Quick DAIZED fuse link continuous current of the Quick DAIZED fuse link continuous current of the Quick DAIZED fuse link gG Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value — at 50 Hz rated value — at 50 Hz rated value — at 60 Hz rated value • at DC rated value • at CO rated value • at 60 Hz rated value • at 60	operating frequency maximum	1 800 1/h
thermal current reference code according to IEC 81348-2 S continuous current of the 0C characteristic MCB 10 A. for a short-circuit current smaller than 400 A continuous current of the quick DIAZED fuse link G Continuous current of the quick DIAZED fuse link G Substance Prohibitance (Date) operating voltage • at 0C at 12 rated value • at 00 Hz rated value • at 0C rated value • at 10C rate	mechanical service life (operating cycles) typical	1 000 000
reference code according to IEC 81346-2 continuous current of the quick DAZED fuse link continuous current of the quick DAZED fuse link g continuous current of the pulk DAZED fuse link g 10 A Substance Prohibitance (Date) operating voltage • at AC — at 60 Hz rated value — at 60 Hz rated value — at 60 Hz rated value • at DC rated value • at CC rated value	electrical endurance (operating cycles) typical	10 000 000
continuous current of the C characteristic MCB continuous current of the quick DiAZED fuse link g continuous current of the puck ED fuse link g 30 A Substance Prohibitance (Date) operating voltage - at 60 Hz rated value - at 10 crated value - at 10 cra	thermal current	10 A
continuous current of the quick DIAZED fuse link go Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value • at CC — at 50 Hz rated value One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (8 V, 1 mA) Supply voltage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 110 V Control circuit Control Inrush current of LED module maximum 3 A Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 Connections Terminis Type of electrical connection • of modules and accessories Vype of electrical connection • of modules and accessories Screw-type terminals Vype of electrical connection • sold with core end processing • finely stranded with the core end processing • finely stranded with deared according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 and the processing • with low demand rate according to SN 31920 and the processing • with big demand rate according to SN 31920 • with big demand rate ac	reference code according to IEC 81346-2	S
continuous current of the DIAZED fuse link gG Substance Prohibitance (Date) • at AC — at 50 Hz rated value — at 60 Hz rated value — at 60 Hz rated value — at 60 Hz rated value — 5 500 V • at DC rated value — 5 500 V Power Electronics contact reliability Cone maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (8 V, 1 mA) Supply voltage Type of voltage of the supply voltage of the light source at 50 Hz rated value — 110 V • at 50 Hz rated value — 110 V control circuit/ Control Inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts Silver alloy number of NC contacts for auxiliary contacts 1 Connections/ Terminals Type of electrical connection • of modules and accessories • solid without core end processing • solid without core end processing • finely stranded with core end processing • finely stranded with core end processing • for AWC cables • for AWC cables 1 LED color of the light source yee of light source Safety related data Bill value with gird enand rate according to SN 31920 • with high demand rate accordi	continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value • at DC rated value (S V, 1 mA) Supply voltage Type of voltage of the light source at AC • at 50 Hz rated value • at 0 Hz rated value • at	continuous current of the quick DIAZED fuse link	10 A
operating voltage	continuous current of the DIAZED fuse link gG	10 A
at AC — at 50 Hz rated value — at 60 Hz rated value 5 500 V Power Electronics Contact reliability Contest expected by voltage type of voltage of the supply voltage of the light source at 60 Hz rated value AC supply voltage type of voltage of the light source at AC at 60 Hz rated value 110 V at 60 Hz rated value 110 V Control circuit/ Control Innush current of LED module maximum 3 A Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 Connections/ Terminals type of electrical connection a of modules and accessories solid with core end processing a finely stranded with core end processing a finely stranded without core end processing a finely stranded with core end processin	Substance Prohibitance (Date)	10/01/2014
- at 50 Hz rated value 5 500 V 5 500 V	operating voltage	
at DC rated value 5500 V 5500 V Power Electrotics contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) Supply voltage type of voltage of the supply voltage of the light source AC at 50 Hz rated value 110 V at 60 Hz rated value 110 V Control idroul/ Control incush current of LED module maximum 3A Auxiliary circuit design of the contact of auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 Connections/ Terminals type of electrical connection 5.crew-type terminals yeld of connectable conductor cross-sections 5.crew-type terminal 5.crew-type terminal 5.crew-type terminal 5.crew-type terminal 5.crew-type terminal 5.crew-type terminal 6.sid without core end processing 2x (1.01,5 mm²) 2x (1.01,5 mm²) a finely stranded without core end processing 2x (1.01,5 mm²) 2x (1.01,5 mm²) a finely stranded without core end processing 2x (1.01,5 mm²) 2x (1.01,5 mm²) a for AVMC cables 2x (1.01,5 mm²) 2x (1.0	• at AC	
a tild DC rated value Power Electronics contact reliability Supply voltage type of voltage of the supply voltage of the light source supply voltage of the light source at AC at 50 Hz rated value 110 V at 60 Hz rated value 110 V Controct circuit/ Control Inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 10 Connections/ Terminals type of electrical connection a solid with core end processing solid without core end processing finely stranded with core end processing finely stranded without core end p	— at 50 Hz rated value	5 500 V
Power Electronics contact reliability Contact reliability Supply voitage type of voitage of the supply voitage of the light source supply voltage of the light source at AC at 50 Hz rated value at 60 Hz rated value 110 V at 60 Hz rated value 110 V control circuit/ Control inrush current of LED module maximum 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 Screw-type terminal type of electrical 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 for AWG cables Lightening torque with screw-type terminals Lamp Type of light source LED color of the light source serior Safety related data B10 value with high demand rate according to SN 31920 with low demand rate according to SN 31920 with low demand rate according to SN 31920 with high demand rate according to SN 31920 and the related the server to summary and the server to summary and the server to summary and the related to the summary and the server to summary and the se	— at 60 Hz rated value	5 500 V
Contact reliability Supply voitage type of voitage of the supply voitage of the light source supply voitage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value AC Supply voitage of the light source at AC • at 50 Hz rated value • at 60 Hz rated value 110 V Control circuit/ Control Inrush current of LED module maximum Axulliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 Connections/ Terminals type of electrical connection • 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 with core end processing • finely stranded with core end processing • for AWG cables • for AWG cables 1 LED top of light source color of the light source green Safety related data B10 value with high demand rate according to SN 31920 • with low demand rate according to SN	• at DC rated value	5 500 V
Supply voltage type of voltage of the supply voltage of the light source at AC at 50 Hz rated value 110 V control circuit/ Control inrush current of LED module maximum 3A Auxillary circuit design of the contact of auxillary contacts 0 number of NC contacts for auxillary contacts 1 connections/ Terminals type of electrical connection screw-type terminals a of modules and accessories Screw-type terminal ye of inely stranded with core end processing 2x (1,0 1,5 mm²) a finely stranded with core end processing 2x (1,1 1,5 mm²) a finely stranded with core end processing 2x (1,1 1,5 mm²) a for AWG cables 2x (18 14) tightening torque of the screw-type terminals a 10 12 Nm tightening torque with screw-type terminals Lamp type of light source LED color of the light source green Safety rolated data B10 value with high demand rate according to SN 31920 a with low demand rate according to SN 31920 b of SN 31920 a with low demand rate according	Power Electronics	
Supply voltage type of voltage of the supply voltage of the light source at AC at 50 Hz rated value 110 V control circuit/ Control inrush current of LED module maximum 3A Auxillary circuit design of the contact of auxillary contacts 0 number of NC contacts for auxillary contacts 1 connections/ Terminals type of electrical connection screw-type terminals a of modules and accessories Screw-type terminal ye of inely stranded with core end processing 2x (1,0 1,5 mm²) a finely stranded with core end processing 2x (1,1 1,5 mm²) a finely stranded with core end processing 2x (1,1 1,5 mm²) a for AWG cables 2x (18 14) tightening torque of the screw-type terminals a 10 12 Nm tightening torque with screw-type terminals Lamp type of light source LED color of the light source green Safety rolated data B10 value with high demand rate according to SN 31920 a with low demand rate according to SN 31920 b of SN 31920 a with low demand rate according	contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million
type of voltage of the light source at AC supply voltage of the light source at AC at 50 Hz rated value at 60 Hz rated value 110 V control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 1 connections/ Terminals type of electrical connection screw-type terminal type of connectable conductor cross-sections old with core end processing solid without core end processing finely stranded with core end processing for how MC cables tightening torque of the screws in the bracket tightening torque of the screws in the bracket B10 value with high demand rate according to SN 31920 with low demand rate according to SN 31920 with low demand rate according to SN 31920 ambient temporature		
supply voltage of the light source at AC at 50 Hz rated value at 60 Hz rated value 110 V control circuit/ Control Inrush current of LED module maximum 3 A Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 Connections/ Terminals type of electrical connection a of modules and accessories solid with core end processing solid without core end processing finely stranded without core end processing for AWG cables tightening torque of the screw-type terminals type of light source LED color of the light source safety related data B10 value with high demand rate according to SN 31920 with low demand rate according to SN 31920 which in the processing to the screw terminals e with low demand rate according to SN 31920 and the conditions ambient temperature	Supply voltage	
at 50 Hz rated value 110 V at 60 Hz rated value 110 V control circuit/ Control inrush current of LED module maximum 3.A Auxiliary circuit design of the contact of auxiliary contacts 5. Silver alloy number of NC contacts for auxiliary contacts 1 Connections/ Terminals type of electrical connection 5. Screw-type terminals type of electrical connection 5. Screw-type terminal 5. Screw-type terminal 6. Screw-type terminal 7. Screw-type terminal 8. * of modules and accessories 5. Screw-type terminal 8. * solid with core end processing 2x (0.5 0.75 mm²) * solid with our ore end processing 2x (1.0 1.5 mm²) * finely stranded with core end processing 2x (1.0 1.5 mm²) * for AWG cables 2x (18 14) tightening torque of the screws in the bracket 1 1.2 Nm tightening torque with screw-type terminals 0.8 0.9 N·m Lamp type of light source LED color of the light source green Safety related data 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 % * with low demand rate according to SN 31920 Ambient conditions ambient temperature	type of voltage of the supply voltage of the light source	AC
at 60 Hz rated value Control circuit/ Control Inrush current of LED module maximum Axillary circuit design of the contact of auxillary contacts Silver alloy number of NC contacts for auxillary contacts 1 Connections/ Terminals type of electrical connection of modules and accessories Screw-type terminals type of connectable conductor cross-sections of incely stranded with core end processing finely stranded with core end processing of new with lord end processing (2x (1.0 1.5 mm²) (10 1.5 mm²) (11 1.2 N-m (11 1.2 N-m (11 1.2 N-m (11 1.3 mm²) (12 1.3 mm²) (13 1.3 mm²) (14 1.3 mm²) (15 1.3 mm²) (16 1.3 mm²) (17 1.3 mm²) (18 1.3 mm²) (19 1.3 mm²) (19 1.3 mm²) (10 .	supply voltage of the light source at AC	
Control circuit/ Control inrush current of LED module maximum Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 Connections/ Terminals type of electrical connection of modules and accessories screw-type terminals type of connectable conductor cross-sections olimits of modules and accessories solid with core end processing 2x (0.5 0.75 mm²) olimits ystranded with core end processing finely stranded without core end processing of new ystranded without core end processing for AWG cables tightening torque of the screws in the bracket tightening torque of the screws in the bracket 1 1.2 N/m tightening torque with screw-type terminals Lamp type of light source color of the light source safety related data B10 value with high demand rate according to SN 31920 with low demand rate according to SN 31920 and so the screw-type terminals and so the ratios.	 at 50 Hz rated value 	110 V
inrush current of LED module maximum 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 screw-type terminal type of connectable conductor cross-sections osolid with core end processing solid without core end processing finely stranded without core end processing of new ystranded without core end processing of new ystranded without core end processing of naw Gables tightening torque of the screws in the bracket tightening torque with screw-type terminals auxiliary type of light source color of the light source safety related data B10 value with high demand rate according to SN 31920 with low demand rate according to SN 31920 and FIT Ambient conditions ambient temperature	 at 60 Hz rated value 	110 V
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 screw-type terminals type of connectable conductor cross-sections osolid with core end processing solid without core end processing finely stranded without core end processing of now yet and ded without core end processing of rank Gables for AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals aump type of light source color of the light source safety related data B10 value with high demand rate according to SN 31920 with low demand rate according to SN 31920 and the rate of the screw in the process of the light source with low demand rate according to SN 31920 with low demand rate according to SN 31920 and the rate of the screw in an according to SN 31920 failure rate [FiT] with low demand rate according to SN 31920 and the rate of the screw in an according to SN 31920 and the rate of the screw in an according to SN 31920 and the rate of the screw in an according to SN 31920 and the rate of the screw in an according to SN 31920 and the rate of the screw in an according to SN 31920 and the rate of the screw in an according to SN 31920 and the rate of the screw in according to SN 31920 and the rate of the screw in an according to SN 31920 and the rate of the screw in an according to	Control circuit/ Control	
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NO 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 finely stranded without core end processing finely stranded without core end processing for AWG cables type of the screws in the bracket tightening torque of the screw-type terminals Lamp type of light source color of the light source Safety related data B10 value 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 the street auxiliary contacts for aux	inrush current of LED module maximum	3 A
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts type of electrical connection of modules and accessories screw-type terminals type of connectable conductor cross-sections solid with core end processing solid with core end processing finely stranded with core end processing finely stranded with core end processing for AWG cables tightening torque of the screws in the bracket tightening torque with screw-type terminals Lamp type of light source color of the light source green Safety related data B10 value with high demand rate according to SN 31920 ambient temperature	Auxiliary circuit	
number of NO contacts for auxiliary contacts type of electrical connection of modules and accessories screw-type terminals type of connectable conductor cross-sections osolid with core end processing scidi without core end processing finely stranded with core end processing of modules and accessories 2x (0.5 0.75 mm²) solid without core end processing 2x (1.0 1.5 mm²) finely stranded with core end processing of naWG cables 2x (1.0 1,5 mm²) of rAWG cables 2x (1.0 1,5 mm²) of rAWG cables 2x (1.0 1,5 mm²) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque with screw-type terminals 0.8 0.9 N·m Lamp type of light source LED color of the light source green 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 awith high demand rate according to SN 31920 failure rate [FiIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature	design of the contact of auxiliary contacts	Silver alloy
type of electrical connection of modules and accessories screw-type terminals type of connectable conductor cross-sections of solid with core end processing of solid with core end processing finely stranded without core end processing of many finely stranded without core end processing of native finely stranded of nat	number of NC contacts for auxiliary contacts	0
type of electrical connection of modules and accessories screw-type terminals yee of connectable conductor cross-sections solid with core end processing solid with core end processing finely stranded with core end processing for AWG cables for AWG cables tightening torque of the screw-type terminals type of light source color of the light source safety related data B10 value with high demand rate according to SN 31920 with high demand rate according to SN 31920 type of lailure rate [FIT] with low demand rate according to SN 31920 type of lailure rate [FIT] with low demand rate according to SN 31920 ambient temperature screw-type terminals 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (number of NO contacts for auxiliary contacts	1
of modules and accessories Screw-type terminal type of connectable conductor cross-sections	Connections/ Terminals	
type of connectable 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 without core end processing • finely stranded without core end processing • for AWG cables • for AWG ca	type of electrical connection	screw-type terminals
type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables • for AWG cables • 2x (18 14) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque with screw-type terminals 0.8 0.9 N·m Lamp type of light source color of the light source green 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 low demand rate according to SN 31920 100 FIT Ambient conditions ambient temperature	of modules and accessories	Screw-type terminal
solid with core end processing solid without core end processing solid with out end with core end processing solid with out end with core end processing solid without core end processing solid without core end processing solid with out end with with end wit		·
solid without core end processing finely stranded with core end processing finely stranded with core end processing finely stranded without core end processing x (1,0 1,5 mm²) for AWG cables x (18 14) tightening torque of the screws in the bracket 1 1,2 N·m tightening torque with screw-type terminals 0.8 0.9 N·m Lamp type of light source LED color of the light source 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	••	2x (0.5 0.75 mm²)
• finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables • for AWG cables • for AWG cables • 2x (18 14) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque with screw-type terminals 0.8 0.9 N·m Lamp type of light source color of the light source green 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 100 FIT Ambient conditions ambient temperature	·	
• finely stranded without core end processing • for AWG cables 2x (1,0 1,5 mm²) • for AWG cables 2x (18 14) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque with screw-type terminals 0.8 0.9 N·m Lamp type of light source color of the light source 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	·	
• for AWG cables 2x (18 14) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque with screw-type terminals 0.8 0.9 N·m Lamp type of light source color of the light source green Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature		
tightening torque of the screws in the bracket 1 1.2 N·m tightening torque with screw-type terminals 0.8 0.9 N·m Lamp type of light source color of the light source green 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		
tightening torque with screw-type terminals Lamp type of light source color of the light source 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		
type of light source		
type of light source color of the light source green 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		
color of the light source green Safety related data B10 value with high demand rate according to SN 31920 100 000 proportion of dangerous failures • with low demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 100 FIT Ambient conditions ambient temperature	<u> </u>	LED
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		
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		3
proportion of dangerous failures		100,000
 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 		100 000
● with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature 20 % 100 FIT		20 %
failure rate [FIT] with low demand rate according to SN 31920 Ambient conditions ambient temperature	-	
Ambient conditions ambient temperature		
ambient temperature		100 F11
◆ during operation −25 +70 °C	•	
	during operation	-25 +70 °C

during storage	-40 +80 °C	
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)	
Installation/ mounting/ dimensions		
fastening method		
 of modules and accessories 	Front plate mounting	
height	40 mm	
width	32.3 mm	
shape of the installation opening	round	
mounting diameter	22.3 mm	
positive tolerance of installation diameter	0.4 mm	
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



Type Test Certificates/Test Report









other

Environment

Confirmation

Environmental Confirmations

Further information

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

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1103-2BF64-1BA0

Cax online generator

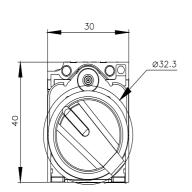
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-2BF64-1BA0

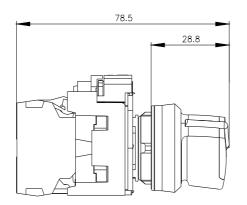
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

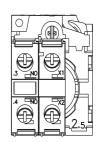
https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-2BF64-1BA0

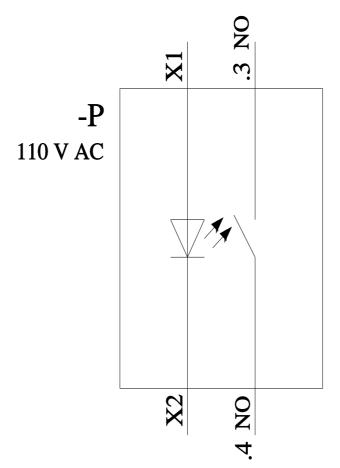
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1103-2BF64-1BA0&lang=en









last modified: 1/26/2022 🖸

