## **SIEMENS**

## **Data sheet**

## 3SU1100-1HB20-3CH0



EMERGENCY STOP mushroom-type actuator, 22 mm, round, plastic, red, 40 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: NOT-HALT, with holder, 1 NC, spring-type 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	3SU1400-1AA10-3CA0
of the supplied holder	3SU1550-0AA10-0AA0
of the supplied actuator	3SU1000-1HB20-0AA0
of supplied accessory	3SU1900-0BC31-0AT0
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	
<ul> <li>positive opening</li> </ul>	Yes
<ul> <li>EMERGENCY OFF function</li> </ul>	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
surge voltage resistance rated value	6 kV
protection class IP	IP66, IP67, IP69(IP69K)
of the terminal	IP20

degree of protection NEMA rating  ***according to IEC 60068-227  ***cordinate page placetions according to IEN 51373  operating frequency maximum  mechanical service life (operating cycles) typical  decirate indurance (operating cycles) typical  solic continuous current of the page that service in the protection of the Continuous current of the cycles rating to the Continuous current of the Cubarceristic MCB  continuous current of the DARZED fase link gi  - at 60 ft rated value  - at		
		1, 2, 3, 3R, 4, 4X, 12, 13
e-for nalway applications according to EN 61373 Calegory 1, Clase B operating frequency maximum mechanical sarvice life (operating cycles) typical solution of the content		
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selectical endurance (operating cycles) typical Inferrence code secording to IEC 81348-2 Continuous current of the C characteristic MCB Onlinuous current of the Quick DLAZED tuse link gG Onlinuous current of the Quick DLAZED tuse link gG Onlinuous current of the Quick DLAZED tuse link gG Onlinuous current of the Quick DLAZED tuse link gG Onlinuous current of the Quick DLAZED tuse link gG Operating voltage  * at AC  — at 50 Hz rated value — at 60 Hz rated value 5 500 V  * at IOC rated value 5 500 V  * at IOC rated value  * TOC rated value  * TOC rated value  * One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (6 V, 5 mA)  Auxiliary circuit  design of the contact of auxiliary contacts Silver alloy  Auxiliary circuit  To contact roll auxiliary contacts  In umber of NC contacts for auxiliary contacts  Yype of electrical connection  * of modules and accessomes  Upper of electrical connection  * of modules and accessomes  Upper of connectable conductor cross-sections  * olid without core and processing  * in Phys ystranded without core and processing  * in Phys ystranded without core and processing  * in Phys dranded without core and processing  * with low demand rate according to SN 31920  * you with high demand rate according to SN 31920  * with high demand rate according to SN 31920  * with high demand rate according to SN 31920  * with high demand rate according to SN 31920  * of modules with high demand rate according to SN 31920  * with high demand rate according to SN 31920  * with high demand rate according to SN 31920  * with high demand rate according to SN 31920  * of modules and accessories  * with low demand rate according to SN 31920  * of	operating frequency maximum	600 1/h
thermal current reference code according to IEC 81348-2 continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link G continuous current of the Quick DIAZED fuse link G continuous current of the Quick DIAZED fuse link G Substance Prohibitance (Date) porpating voltage  * at AC	mechanical service life (operating cycles) typical	300 000
reference code according to IEC 81346-2 Continuous current of the Characteristic MCB 10 A, for a short-circuit current smaller than 400 A continuous current of the Quick DIAZED fuse link gG 10 A Substance Prohibitinance (Date)  poperating voltage  * of AC  — at 50 Hz rated value  * of AC  — at 50 Hz rated value  * a NO First and value  * b Substance Prohibitinance (Date)  * a NO First and value  * b Substance Prohibitinance  * a NO First and value  * b Substance Prohibitinance  * a NO First and value  * b Substance Prohibitinance  * Contact reliability  * Co	electrical endurance (operating cycles) typical	300 000
continuous current of the C characteristic MGB Continuous current of the Quick DNAZED fuse link Continuous current of the Quick DNAZED fuse link Continuous current of the DNAZED fuse link G Substance Prohibitance (Date) Operating voting  * at AC	thermal current	10 A
continuous current of the gulck DIAZED fuse link Continuous current of the gulck DIAZED fuse link gG 10 A Substance Prohibitance (Date) 1001/2014  operating voltage	reference code according to IEC 81346-2	S
Continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  operating vottage  • at AC  — at 50 Hz rated value  — at 60 Hz rated value  • at DC rated value  • on DC rated value  Contact rollability  Contact for auxiliary contacts  silver alloy  filer on the contact of auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1 number of NC contacts for auxiliary contacts  • of modules and accessories  • of electrical connection  • of modules and accessories  • solid without one end processing  • finely stranded with cut one end processing  • for AVIG cables  • for AVIG cables  • of roll 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 low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with low demand rate according to SN 31920  • with	continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
Substance Prohibitance (Date) operating voltage	continuous current of the quick DIAZED fuse link	10 A
operating voltage  • at AC  — at 60 Hz rated value — at 60 Hz rated value 5 500 V  • at 00 Hz rated value 5 500 V  • at 00 Hz rated value 5 500 V  Power Electronics  Contact reliability Cone maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (40 V, 1 mA)  Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1  number of NC contacts for auxiliary contacts 1  connections/ Tominals  Vipe of electrical connection • of modules and accessories • Spring-type terminal  Vipe of connectable conductor cross-sections • salid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded with sore end processing • finely stranded wit	continuous current of the DIAZED fuse link gG	10 A
at AC  at 50 Hz rated value  at 60 Hz rated value  at 60 Hz rated value  business of a DC rated value  at 10 rated value  contact reliability  Che maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (8 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts  sliver alloy  number of NC contacts for auxiliary contacts  1 number of NC contacts for auxiliary contacts  1 number of NO contacts for auxiliary contacts  2 number of NO contacts for auxiliary contacts  3 principle terminal  1 yes of contactable conductor cross-sections  4 solid without core and processing  4 solid without core and processing  5 principle terminal  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  4 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely stranded without core and processing  2 x (0.25 1.5 mm²)  6 inely strande	Substance Prohibitance (Date)	10/01/2014
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- at 80 Hz rated value 5 500 V Power Electrones  contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5 mA), one maloperation per 10 million (27 V, 5	• at AC	
• at DC rated value  Power Electronics  Contact reliability  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1  design of the contact of auxiliary contacts 1  number of NC contacts for auxiliary contacts 1  connections/ Terminals  type of electrical connection • of modules and accessories  Spring-type terminal  type of connectable conductor cross-sections • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AVIX cables  B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate	— at 50 Hz rated value	5 500 V
Power Electronics  contact reliability  Context reliability  Type of electrical connection  of modules and accessories  Figure of context reliability  Conte	— at 60 Hz rated value	5 500 V
Contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts  Silver alloy  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1  number of NO contacts for auxiliary contacts  0  Connections/ Torminals  Type of electrical connection  • of modules and accessories  solid without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • for NAVC cables  B10 value with high demand rate according to SN 31920  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind	at DC rated value	5 500 V
Contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts  Silver alloy  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1  number of NO contacts for auxiliary contacts  0  Connections/ Torminals  Type of electrical connection  • of modules and accessories  solid without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • for NAVC cables  B10 value with high demand rate according to SN 31920  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind	Power Electronics	
Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 Connections/ Terminals  type of electrical connection • of modules and accessories • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • with limb demand rate according to SN 31920  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  100 000  1		One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 connections/ Terminals  type of electrical connection of modules and accessories Spring-type terminal  type of connectable conductor cross-sections of inducts and accessories solid without core end processing finely stranded with core end processing of reflect stranded with core end processing finely stranded without core end processing of reflect stranded without core end processing of reflect stranded with core end processing of reflect stranded without stranded without core end processing of reflect stranded without stranded witho		
number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 connections / Tominals  type of electrical connection • of modules and accessories • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • finely stranded without core end processing • for AWG cables • with low demand rate according to SN 31920	Auxiliary circuit	
number of NO contacts for auxiliary contacts  Connections/ Forminals  type of electrical connection	design of the contact of auxiliary contacts	Silver alloy
Connections/ Terminals         Spring-type terminal           type of electrical connection         Spring-type terminal           type of connectable conductor cross-sections         \$ solid without core end processing         \$ 2x (0.25 1.5 mm²)           • finely stranded without core end processing         \$ 2x (0.25 1.5 mm²)           • finely stranded without core end processing         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • for AWG cables         \$ 2x (0.25 1.5 mm²)           • with high demand rate according to SN 31920         \$ 20 %           • fall ware ferril with low demand rate according to SN 31920         \$ 20 %           • fallure rate [FIT] with low demand rate acc	number of NC contacts for auxiliary contacts	1
type of electrical connection  • of modules and accessories  type of connectable conductor cross-sections  • solid without core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • for AWG cables  to AWG cables  2x (0.25 1.5 mm²)  • finely stranded with core end processing  • for AWG cables  2x (24 16)  tightening torque of the screws in the bracket  Safoty rolated data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  with high demand rate according to SN 31920  • with high demand rate according to SN 31920  with high demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with nigh demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night demand rate according to SN 31920  * with night	number of NO contacts for auxiliary contacts	0
of modules and accessories      spid without core end processing     of inely stranded with core end processing     of inely stranded with core end processing     of inely stranded with core end processing     of inely stranded without core end processing     of year (0.25 1.5 mm²)     of inely stranded without core end processing     of year (0.25 1.5 mm²)	Connections/ Terminals	
of modules and accessories      spid without core end processing     of inely stranded with core end processing     of inely stranded with core end processing     of inely stranded with core end processing     of inely stranded without core end processing     of year (0.25 1.5 mm²)     of inely stranded without core end processing     of year (0.25 1.5 mm²)	type of electrical connection	
type of connectable conductor cross-sections  • 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  2x (0.25 1.5 mm²)  • for AWG cables  2x (24 16)  tightening torque of the screws in the bracket  1 1.2 Nm  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  with high demand rate according to SN 31920  with high demand rate according to SN 31920  with high demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand rate according to SN 31920  * with low demand	<ul> <li>of modules and accessories</li> </ul>	Spring-type terminal
Solid without core end processing Infely stranded with core end processing Infely stranded with core end processing Infely stranded without core end processing Infely stranded without core end processing Infel without core end processing Infel without core end processing Infel with low cables Itightening torque of the screws in the bracket Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with ligh demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according to SN 31920 Infel with light demand rate according	type of connectable conductor cross-sections	
• finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables  tightening torque of the screws in the bracket  Safety rolated 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  ambient conditions  ambient temperature • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Product Declaration(EPD)  Foliabal Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] during operation  • Ocasian Safety and Constructions  font plate mounting dimensions  fastening method • of modules and accessories  Front plate mounting  mounting diameter  2x (0.25 1.5 mm²)  2x (24 16)  1 12 N·m  1		2x (0.25 1.5 mm²)
• finely stranded without core end processing • for AWG cables 2x (24 16)  tightening torque of the screws in the bracket  Safety related data  B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 20 % • with high demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % failure rate [FIT] with low demand rate according to SN 31920 20 % 40 m. +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 provinces behind front panel provinces according to SN 31920 20 % 20 % 20 % 20 % 20 % 20 % 20 % 20		
For AWG cables   2x (24 16)		
tightening torque of the screws in the bracket  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during operation  • during storage  environmental category during operation according to IEC  60721  Environmental footprint  Environmental Froduct Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  • J. 235 kg  Global Warming Potential [CO2 eq] during operation  • J. 235 kg  Global warming potential [CO2 eq] during operation  • J. 235 kg  Global warming potential [CO2 eq] after end of life  Installation/mounting/dimensions  fastening method  • of modules and accessories  front plate mounting  front plate mounting  front plate mounting  mounting diameter  22.3 mm  positive tolerance of installation diameter  1 1.2 N·m  1 1.2		· · · · · · · · · · · · · · · · · · ·
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  20 %  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC  60721  Environmental footprint  Environmental footprint  Environmental Froduct Declaration(EPD)  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during manufacturing  Global Warming potential [CO2 eq] during operation  9.235 kg  global warming potential [CO2 eq] after end of life  10.235 kg  global warming potential [CO2 eq] after end of life  10.155 kg  Installation/ mounting/ dimensions  fastening method  10 of modules and accessories  Front plate mounting  Front plate mounting  height  40 mm  width  30 mm  shape of the installation opening  mounting diameter  22.3 mm  positive tolerance of installation diameter  0.4 mm		
B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC  60721  Environmental Footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  global Warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] after end of life  -0.015 kg  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  Front plate mounting  mounting diameter  positive tolerance of installation diameter  100 000  20 %  20 %  20 %  20 %  20 W  20		· ··· · · · · · · · · · · · · · · · ·
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     during operation     during storage     environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during operation  Journal [CO2 eq] during operation  of the final product Declaration operation  of the installation opening  mounting diameter  of the installation diameter  of the mounting diameter		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     • during operation     • during storage     environmental category during operation according to IEC 60721  Environmental Froduct Declaration(EPD)  Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] during operation  Blobal Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation  Blobal Warming Pote		20 %
failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC environmental category during operation according to IEC environmental Froduct Declaration(EPD)  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming Potential [CO2 eq] during operation global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life  Installation/ mounting/ dimensions  fastening method • of modules and accessories  height width 30 mm shape of the installation opening mounting diameter  positive tolerance of installation diameter  100 FIT	· ·	
ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] after end of life  note of modules and accessories  fastening method  • of modules and accessories  feight  width  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  -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)  Yes  Global Warming Potential [CO2 eq] total  0.787 kg  0.787 kg  0.566 kg  Global Warming Potential [CO2 eq] during operation  0.235 kg  global warming potential [CO2 eq] after end of life  -0.015 kg  Installation/ mounting/ dimensions  font plate mounting  • of modules and accessories  Front plate accessories  1 A m m m m m m m m m m m m m m m m m m		
ambient temperature		100 1 11
<ul> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC</li> <li>60721</li> <li>SM6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)</li> <li>Environmental Footprint</li> <li>Environmental Product Declaration(EPD)</li> <li>Global Warming Potential [CO2 eq] total</li> <li>Global Warming Potential [CO2 eq] during manufacturing</li> <li>Global Warming Potential [CO2 eq] during operation</li> <li>global warming potential [CO2 eq] after end of life</li> <li>-0.015 kg</li> <li>Installation/ mounting/ dimensions</li> <li>fastening method</li> <li>of modules and accessories</li> <li>Front plate mounting</li> <li>height</li> <li>width</li> <li>shape of the installation opening</li> <li>mounting diameter</li> <li>positive tolerance of installation diameter</li> <li>0.4 mm</li> </ul>		
olduring storage     environmental category during operation according to IEC     environmental footprint  Environmental Froduct Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  global warming Potential [CO2 eq] direr end of life  Installation/ mounting/ dimensions  fastening method     of modules and accessories  height  width  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation and permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  40	•	25 170 °C
environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions  fastening method of modules and accessories  front plate mounting front plate mounting width 30 mm shape of the installation opening mounting diameter  22.3 mm positive tolerance of installation diameter  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  40 95%, no condensation in operation permitted for all devices behind front panel)  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  40 95%, no condensation in operation permitted for all devices behind front panel)  40 95%, no condensation in operation permitted for all devices behind front panel)  50 95%, no condensation in operation permitted for all devices behind front panel)  50 95%, no condensation in operation permitted for all devices behind front panel)  50 95%, no condensation in operation permitted for all devices behind front panel)  60 95%, no condensation in operation permitted for all devices behind front panel)  61		
Environmental Footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] after end of life  Installation/ mounting/ dimensions  fastening method  of modules and accessories  front plate mounting  height  width  30 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  condensation in operation permitted for all devices behind front panel)  Yes  0.787 kg  0.787 kg  0.566 kg  Global Warming Potential [CO2 eq] during operation  0.235 kg  global warming potential [CO2 eq] after end of life  -0.015 kg  Installation/ mounting/ dimensions  front plate mounting  front plate mounting  and  front plate mounting  Front plate mounting  22.3 mm  0.4 mm		
Environmental Footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] after end of life  -0.015 kg  Installation/ mounting/ dimensions  fastening method  of modules and accessories  Front plate mounting  height  40 mm  width  30 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  0.4 mm		
Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] after end of life  -0.015 kg  Installation/ mounting/ dimensions  fastening method  of modules and accessories  front plate mounting  height  40 mm  width  30 mm  shape of the installation opening  mounting diameter  22.3 mm  positive tolerance of installation diameter  0.4 mm		
Global Warming Potential [CO2 eq] total 0.787 kg Global Warming Potential [CO2 eq] during manufacturing 0.566 kg Global Warming Potential [CO2 eq] during operation 0.235 kg global warming potential [CO2 eq] after end of life -0.015 kg  Installation/ 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	· · · · · · · · · · · · · · · · · · ·	Yes
Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life  -0.015 kg  Installation/ mounting/ dimensions  fastening method of modules and accessories  Front plate mounting  height 40 mm  width 30 mm  shape of the installation opening mounting diameter positive tolerance of installation diameter  0.4 mm		
Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life -0.015 kg  Installation/ mounting/ dimensions  fastening method of modules and accessories Front plate mounting height 40 mm width 30 mm shape of the installation opening mounting diameter positive tolerance of installation diameter  0.4 mm		
global warming potential [CO2 eq] after end of life  Installation/ mounting/ dimensions  fastening method  of modules and accessories  Front plate mounting  height  40 mm  width  30 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  0.4 mm		Š
Installation/ 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		Š
fastening method  of modules and accessories  Front plate mounting  height  40 mm  width  30 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  front plate mounting  Front plate mounting  available mounting  round  22.3 mm  0.4 mm		-0.010 ng
● of modules and accessories Front plate mounting height 40 mm width 30 mm shape of the installation opening round mounting diameter positive tolerance of installation diameter  0.4 mm		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	•	
width 30 mm shape of the installation opening round mounting diameter 22.3 mm positive tolerance of installation diameter 0.4 mm		
shape of the installation opening round mounting diameter 22.3 mm positive tolerance of installation diameter 0.4 mm		
mounting diameter 22.3 mm positive tolerance of installation diameter 0.4 mm		
positive tolerance of installation diameter 0.4 mm		
·		
mounting height 46.4 mm	·	
	mounting height	46.4 mm

installation width	75 mm
installation depth	48.6 mm
Accessories	
number of backing plates	1
marking of backing plate	EMERGENCY-STOP
color of backing plate	Yellow
Approvals Certificates	

**General Product Approval** 

Declaration of Conformity





Confirmation







Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

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=3SU1100-1HB20-3CH0

Cax online generator

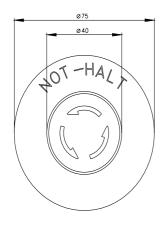
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-3CH0

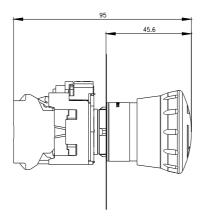
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-3CH0

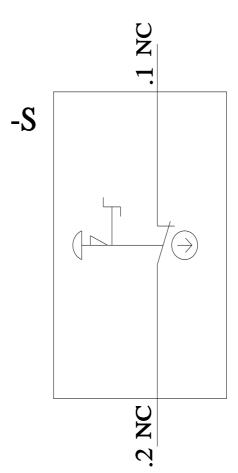
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ 

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-1HB20-3CH0&lang=en









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