## **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	
<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-3CA0
<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
<ul> <li>of the supplied actuator</li> </ul>	3SU1000-1HB20-0AA0
<ul> <li>of supplied accessory</li> </ul>	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
<ul> <li>EMERGENCY STOP function</li> </ul>	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)

degree of protection NEMA rating shock resistance • according to EC 60068-2-87 • for railway applications according to EN 61373 vibration resistance • according to EC 60068-2-8 • for railway applications according to EN 61373 vibration resistance • according to EC 60068-2-8 • for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical decictical endurance (switching cycles) typical thermal current freference code according to EC 81346-2 continuous current of the C public B142-2 continuous current of the DIAZED fuse link continuous current of the Quick DIAZE	of the terminal	IP20
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Category 1, Class B   Vibration resistance		sinusoidal half-wave 15g / 11 ms
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or railway applications according to EN 61373     operating frequency maximum     mechanical service life (switching cycles) typical     all service life (switching cycl		10 500 Hz: 5a
operating frequency maximum mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical southouse current of the Characteristic MCB continuous current of the Characteristic MCB continuous current of the DIAZED fuse link go continuous current of the DIAZED fuse link go substance Prohibitance (Date) operating voltage at AC at 50 Hz rated value — at 60 Hz rated value — southouse current of the Quick fuse fuse — at 60 Hz rated value — south over the contact of auxiliary contacts contact reliability  One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 10 concections/ terminals  type of electrical connection • of modules and accessories  at AWG cables  10 contact for auxiliary contacts  21 contact reliability  22 (0.25 1.5 mm²) 23 (0.25 1.5 mm²) 24 (0.25 1.5 mm²) 25 (0.25 1.5 mm²) 26 (0.25 1.5 mm²) 27 (0.25 1.5 mm²) 28 (0.25 1.5 mm²) 29 (0.25 1.5 mm²) 29 (0.25 1.5 mm²) 20 (0.25 1.5 mm²) 20 (0.25 1.5 mm²) 20 (0.25 1.5 mm²) 21 (0.25 1.5 mm²) 22 (0.25 1.5 mm²) 23 (0.25 1.5 mm²) 24 (0.25 1.5 mm²) 25 (0.25 1.5 mm²) 26 (0.25 1.5 mm²) 27 (0.25 1.5 mm²) 28 (0.25 1.5 mm²) 29 (0.25 1.5 mm²) 20 (0.25 1.5 mm²) 20 (0.25 1.5 mm²) 20 (0.25 1.5 mm²) 21 (0.25 1.5 mm²) 22 (0.25 1.5 mm²) 23 (0.25 1.5 mm²) 24 (0.25 1.5 mm²) 25 (0.25 1.5 mm²) 26 (0.25 1.5 mm²) 27 (0.25 1.5 mm²) 28 (0.25 1.5 mm²) 29 (0.25 1.5 mm²) 29 (0.25 1.5 mm²) 20 (0.25 1.5 mm²) 20 (0.25 1.5 mm²) 20 (0.25 1.5 mm²) 21 (0.25 1.5 mm²) 22 (0.25 1.5 mm²) 23 (0.25 1.5 mm²) 24 (0.25 1.5 mm²) 25 (0.25 1.5 mm²) 26 (0.25 1.5 mm²) 27 (0.25 1.5 mm²) 28 (0.25 1.5 mm²) 29 (0.25 1.5 mm²) 29 (0.25 1.5 mm²) 20 (0.25 1.5 mm²	ü	
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continuous current of the quick DIAZED fuse link gG Substance Prohibitance (Date) operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value — 5 500 V — at 60 Hz rated value — 5 500 V  Power Electronics contact reliability  Context reliability  Cone maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  Auxiliary circuit  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 Connections/ Terminals  Type of electrical connection • of modules and accessories  1 ype of connectable conductor cross-sections • solid without core end processing • finely stranded with core end processing • finely stranded without screw in the bracket  1 the 10 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 with dip demand rate according to SN 31920 • with interpolation • during storage  environmental category during operation according to IEC control of modules and accessories  fently the mounting dimensions  fastening method • of modules and accessories  front plate mounting  front plate mounting  front plate mounting  round  mounting diameter  positive tolerance of installation diameter  0.4 mon		
continuous current of the DNZED fuse link gG  Substance Prohibitance (Date)  • at AC  — at 50 Hz rated value  • at DC rated value  • at		
Substance Prohibitance (Date) operating voltage	-	
• at AC  — at 50 Hz rated value — at 60 Hz rated value 5 500 V  Power Electronics  contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts very perfect for including the conductor cross-sections • of modules and accessories • finely stranded without core end processing • finely stranded without core end processing • at AVIO 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 according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high dema		
at AC     — at 50 Hz rated value     — at 60 Hz rated value     5 500 V     at DC rated value     5 500 V     contact reliability     Cone maloperation per 100 million (17 V; 5 mA), one maloperation per 10 million (5 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts     number of NC contacts for auxiliary contacts     1		10/01/2014
- at 50 Hz rated value 5 500 V - at 60 Hz rated value 5 500 V    Power Electronics   contact reliability		
* at DC rated value 5 500 V  * 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 (5 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 0  **Connections/ Terminals**  **Type of electrical connection**  **o If modules and accessories  **solid without core end processing ** finely stranded with core end processing ** finely stranded with core end processing ** finely stranded with core end processing ** at AWG cables  **tiphening 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  ** 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		5 500 V
a the DC rated value  Power Electronics  contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  of modules and accessories  type of connectable conductor cross-sections  a solid without core end processing  a finely stranded with core end processing  at AWG cables  by at AWG cables  a vith low demand rate according to SN 31920  proportion of dangerous failures  with low demand rate according to SN 31920  with high demand rate accordi		
Power Electronics  contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0  Connections/ Terminals  type of electrical connection • of modules and accessories  • solid without core end processing • finely stranded with core end processing • at AWG cables  tightening torque of the screws in the bracket  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  a with low demand rate according to SN 31920 • during storage • during operation • during operation • during operation • of modules and accessories  for the interport of the installation opening  front plate mounting  for portion of power opening • finely stranded without core end processing • 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 low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • fallure rate [FIT] with low demand rate according to SN 31920  SN 31920  Auxiliary (SN 31920)  To one for C  and SR 32, 382, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting		
Contact reliability  Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 connections/ Terminals type of electrical connection • of modules and accessories • finely stranded without core end processing • finely stranded without core end processing • at AWG cables tightening torque of the screws in the bracket  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 • during operation • during operation • during operation • during operation • of modules and accessories  Front plate mounting  width  shape of the installation opening  million (5 V, 1 mA)  Silver alloy  100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  Silver alloy  100 million (5 V, 1 mA)  Silver alloy  100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  100 million (5 V, 1 mA)  100 million (6 V, 1 mA)  100 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA)  100 000  proportion of dangerous failures  40 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA)  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  10		J 500 V
million (5 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 0  Connections/ Terminals  type of electrical connection • of modules and accessories solid without core end processing • finely stranded with core end processing • at AWG cables  at AWG cables  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  failure rate [FIT] with low demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  at AWB conditions  amblent temperature • during operation • during operation • of modules and accessories  fastening method • of modules and accessories height width shape of the installation opening mounting diameter  positive tolerance of installation diameter  0.4 mm  0.4 mm		One wall a series and 400 'III' (47) ( 5 A)
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0  Connections/ Terminals  type of electrical connection • of modules and accessories soli without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables  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 ligh demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with ligh demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with 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 l	contact reliability	
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts  type of electrical connection	Auxiliary circuit	
number of NO contacts for auxiliary contacts  connections/ Terminals  type of electrical connection	design of the contact of auxiliary contacts	Silver alloy
type of electrical connection	number of NC contacts for auxiliary contacts	1
type of electrical connection  • 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 • at AWG cables • at AWG cables  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 • with high demand rate according to SN 31920 • with properties of the screws in the bracket  ambient temperature • during operation • during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories  positive tolerance of installation diameter  positive tolerance of installation diameter  out the properties of the screws in the bracket  Spring-type terminal  2x (0.25 1.5 mm²)	number of NO contacts for auxiliary contacts	0
• 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 • at AWG cables • at AWG cables • at AWG cables • at AWG cables • at AWG related data  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 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 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	Connections/ Terminals	
type of connectable conductor cross-sections	type of electrical connection	
solid without core end processing     finely stranded with core end processing     finely stranded with core end processing     e finely stranded without core end processing     e at AWG cables     2x (0.25 1.5 mm²)     2x (0.25 1.5 mm²)     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  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature     during operation     during storage     environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method     of modules and accessories  height width Shape of the installation opening mounting diameter  positive tolerance of installation diameter  0.4 mm	of modules and accessories	Spring-type terminal
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> <li>2x (24 16)</li> <li>1x 12 N·m</li> </ul> Safety related data B10 value with high demand rate according to SN 31920 <ul> <li>with low demand rate according to SN 31920</li> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> Ambient conditions <ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> <li>ambient mounting/ dimensions</li> <li>fastening method</li> <li>of modules and accessories</li> <li>fenight</li> <li>width</li> <li>shape of the installation opening</li> <li>mounting diameter</li> <li>0.4 mm</li> </ul>	type of connectable conductor cross-sections	
inley stranded without core end processing         at AWG cables	<ul> <li>solid without core end processing</li> </ul>	2x (0.25 1.5 mm²)
at AWG cables     tightening torque of the screws in the bracket     1 1.2 N·m  Safety related data  B10 value with high demand rate according to SN 31920 proportion of dangerous failures     • with low demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920  Ambient conditions  ambient temperature     • during operation     • during storage     environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions fastening method     • of modules and accessories height  width     30 mm shape of the installation opening mounting diameter  positive tolerance of installation diameter  1    100 000  20 % 100 FIT 20 % 20 % 100 FIT 300	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.25 0.75 mm²)
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 storage  environmental category during operation according to IEC 60721  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  1 1.2 N·m  1 1.	<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.25 1.5 mm²)
Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920 • with high demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  height  width  30 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  100 000  20 %  100 FIT  30 W  30 W  50 W  40 W  40 W  50 W  60 W	at AWG cables	2x (24 16)
B10 value with high demand rate according to SN 31920  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  condensation in operation permitted for all devices behind front panel)  installation/ mounting/ dimensions  fastening method  • of modules and accessories  feight  40 mm  width  30 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  100 000  20 %  20 %  100 FIT  300 FIT  300 FIT  300 FIT  400 FIT  301 FIT  400 FIT  301 FIT  400 FIT  302 FIT  400 FIT  303 FIT  304 FIT  407 C  407 FIT  408 FIT  409 FIT  307 FIT  400 FIT  308 FIT  309 FIT  300	tightening torque of the screws in the bracket	1 1.2 N·m
proportion of dangerous failures  • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions fastening method • of modules and accessories height width 30 mm shape of the installation diameter  • with low demand rate according to SN 31920 20 % 100 FIT 300 F	Safety related data	
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>Ambient conditions</li> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC 60721</li> <li>installation/ mounting/ dimensions</li> <li>fastening method</li> <li>of modules and accessories</li> <li>height</li> <li>width</li> <li>shape of the installation opening</li> <li>mounting diameter</li> <li>positive tolerance of installation diameter</li> <li>20 %</li> <li>40 minuting</li> <li>front plate mounting</li> <li>Front plate mounting</li> <li>round</li> <li>mounting diameter</li> <li>22.3 mm</li> <li>0.4 mm</li> </ul>	B10 value with high demand rate according to SN 31920	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  Installation/ mounting/ dimensions  fastening method     • of modules and accessories  height  width  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  20 %  100 FIT  100 FIT  100 FIT  20 %  100 FIT  100	proportion of dangerous failures	
failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories  height width 30 mm  shape of the installation opening mounting diameter positive tolerance of installation diameter  100 FIT  100	<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %
Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  height  width  shape of the installation opening  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)  front plate mounting  Front plate mounting  40 mm  yidth  30 mm  shape of the installation opening  mounting diameter  22.3 mm  0.4 mm	with high demand rate according to SN 31920	20 %
ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  height  width  shape of the installation opening  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)  front plate mounting  Front plate mounting  40 mm  round  round  22.3 mm  0.4 mm		100 FIT
<ul> <li>during operation         <ul> <li>during storage</li> <li>40 +80 °C</li> </ul> </li> <li>environmental category during operation according to IEC 60721</li> <li>Installation/ mounting/ dimensions</li> <li>fastening method         <ul> <li>of modules and accessories</li> <li>feight</li> <li>width</li> <li>shape of the installation opening</li> <li>mounting diameter</li> <li>positive tolerance of installation diameter</li> </ul> </li> <li>-25 +70 °C -40 +80 °C</li> <li>3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)</li> </ul>	Ambient conditions	
<ul> <li>during operation         <ul> <li>during storage</li> <li>40 +80 °C</li> </ul> </li> <li>environmental category during operation according to IEC 60721</li> <li>Installation/ mounting/ dimensions</li> <li>fastening method         <ul> <li>of modules and accessories</li> <li>feight</li> <li>width</li> <li>shape of the installation opening</li> <li>mounting diameter</li> <li>positive tolerance of installation diameter</li> </ul> </li> <li>-25 +70 °C -40 +80 °C</li> <li>3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)</li> </ul>	ambient temperature	
<ul> <li>during storage         <ul> <li>40 +80 °C</li> </ul> </li> <li>environmental category during operation according to IEC 60721         <ul> <li>3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>fastening method</li> <li>of modules and accessories</li> <li>Front plate mounting</li> </ul> </li> <li>height         <ul> <li>40 mm</li> </ul> </li> <li>width         <ul> <li>30 mm</li> </ul> </li> <li>shape of the installation opening         <ul> <li>round</li> <li>mounting diameter</li> <li>positive tolerance of installation diameter</li> </ul> </li> <li>0.4 mm</li> </ul>	•	-25 +70 °C
environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method front plate mounting  • of modules and accessories  height 40 mm  width 30 mm  shape of the installation opening round  mounting diameter 22.3 mm  positive tolerance of installation diameter  1 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  1 40 mm vonting  3 M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  1 5 mounting  3 mounting diameter 22.3 mm  1 5 mounting diameter 3 mm		
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  30 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  condensation in operation permitted for all devices behind front panel)  front plate mounting  and  round  22.3 mm  0.4 mm		3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
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	60721	
● of modules and accessories  Front plate mounting  40 mm  width 30 mm  shape of the installation opening round  mounting diameter positive tolerance of installation diameter  Front plate mounting  40 mm  20 mm	Installation/ mounting/ dimensions	
height40 mmwidth30 mmshape of the installation openingroundmounting diameter22.3 mmpositive tolerance of installation diameter0.4 mm	fastening method	front plate mounting
width     30 mm       shape of the installation opening     round       mounting diameter     22.3 mm       positive tolerance of installation diameter     0.4 mm	of modules and accessories	Front plate mounting
shape of the installation openingroundmounting diameter22.3 mmpositive tolerance of installation diameter0.4 mm	height	40 mm
mounting diameter     22.3 mm       positive tolerance of installation diameter     0.4 mm	width	30 mm
positive tolerance of installation diameter 0.4 mm	shape of the installation opening	round
·	mounting diameter	22.3 mm
mounting height 46.4 mm	positive tolerance of installation diameter	0.4 mm
	mounting height	46.4 mm

installation width	75 mm
installation depth	48.6 mm
Accessories	
number of backing plates	1
marking of backing plate	EMERGENCY-STOP
color of backing plate	Yellow
Cortificatos/approvals	

Certificates/ approvals

**General Product Approval** 

**Declaration of** Conformity





Confirmation







**Declaration of** Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

**Special Test Certific**ate







Marine / Shipping

other





Confirmation

Environmental Con**firmations** 

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-1HB20-3CH0

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, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3SU1100-1HB20-3CH0&lang=en

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