## **SIEMENS**

## **Data sheet**



EMERGENCY STOP mushroom-type actuator, 22 mm, round, plastic, red, 40 mm, positive latching, according to EN ISO 13850, pull-to-unlatch mechanism, with yellow backing plate, inscription: NOT-HALT, with holder, 1 NC, screw terminal, Z=20-unit packaging

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>	3SU1400-1AA10-1CA0	
<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0	
<ul> <li>of the supplied actuator</li> </ul>	3SU1000-1HA20-0AA0	
<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	pull-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)	

e of the terminal lip20 shock resistance   1,2,2,3,8,4,4,12,13   shock resistance   2,2,7,11   e or railway applications according to EN 61373   with station resistance   2,2,3,8,4,4,12,13   e or railway applications according to EN 61373   operating frequency maximum   500 ft.   mechanical service life (switching cycles) typical   500 ft.   description and current   10,2,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,		
shock resistance a scoording to IEC 60068-2-27		
according to IEC 60068-2.27  for railway applications according to EN 61373  vibration resistance  according to IEC 60068-2.6  for railway applications according to EN 61373  operating frequency maximum  mechanical severic life (awtiching cycles) typical  electrical endurance (swiching cycles) typical  selectrical endurance (swiching cycles) typical  selectrical endurance (swiching cycles) typical  thermal current  10A  reference code according to IEC 81346-2  continuous current of the c quick DIAZED fuse link continuous current of the c quick DIAZED fuse link continuous current of the DIAZED fuse link go  substance Prohibitance (Dat)  operating voltage  at 60 Hz rated value  business prohibitance (Dat)  contact reliability  Contact reliability  Cone maloperation per 100 million (17 V, 5 mA), one maloperation per 100 million (6 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts  rumber of NC contacts for auxiliary contacts  speed electrical connection  of modules and accessories  type of connectable conductor cross-sections  all divides and accessories  type of connectable conductor cross-sections  all divides and accessories  type of connectable conductor cross-sections  all divides and accessories  type of decirical connection  at MWC coables  at MWC co	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
For railway applications according to EN 61373   Category 1, Class B		
withration resistance         according to IEC 60068-2-6         10 500 Hz: 5g           of or railway applications according to EN 61373         Category 1, Class B           opparating frequency maximum mechanical service life (switching cycles) typical         500 00           descricial endurance (switching cycles) typical         300 000           thermal current         10 A           reference code according to IEC 81348-2         S           continuous current of the DLAP Caracteristic MCB         10 A; for a short-circuit current smaller than 400 A           continuous current of the Quick DIAZED fuse link G         10 A           Substance Prohibitance (Date)         1001/2014           oparaling voltage         5500 V           - at 60 Hz rated value         5500 V           - at 160 Hz rated value         5500 V           - at 160 Hz rated value         5500 V           - at 17 contact of a value         5500 V           - at 180 Hz rated value	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
according to IEC 60088-26  opraring requency maximum  mechanical service life (switching cycles) typical  electrical endurance (switching cycles) typical  solo 000  thermal current  reference code according to IEC 81346-2  continuous current of the C characteristic MCB  continuous current of the quick DIAZED fuse link go  continuous current of the quick DIAZED fuse link go  Substance Prohibitance (Date)  operating voltage  • at AC  — at 50 Hz rated value  — at 60 Hz rated value  —	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
For railway applications according to EN 61373   Categopy 1, Class B	vibration resistance	
operating frequency maximum mechanical service life (switching cycles) typical mechanical service life (switching cycles) typical decircial andurance (switching cycles) typical some operating to IEC 81346-2 continuous current of the C characteristic MGB continuous current of the C tharacteristic MGB continuous current of the URZED fuse link gG locatinuous current of the DIAZED 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 DC rated value  • at Crated value  • at Crated value  • at AWG contacts for auxiliary contacts  • solid with core end processing  • at AWG cables  • 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	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical thermal current  10 A reference code according to IEC 81346-2 continuous current of the Characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the DIAZED fuse link continuous current of the Quick DIAZED fuse link contact reflection fuse fuse link contact reflection fuse fuse link contact reflection fuse fuse fuse fuse fuse fuse fuse fuse	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
electrical endurance (switching cycles) typical thermal current thermal current treference code according to IEC 81346-2 Scontinuous current of the Quick DIAZED fuse link continuous current of the public DIAZED fuse link gG Continuous current of the DIAZED fuse link gG Substance Prohibitance (Date)  operating voltage • at AC — at 50 Hz rated value — at 50 Hz rated	operating frequency maximum	600 1/h
thermal current reference code according to IEC 81346-2 continuous current of the C characteristic MCB continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link continuous current of the DAZED fuse link continuous current of the Quick DIAZED fuse link continuous current shalled fuse link continuous current fuse link fuse fuse link contact call of the Quick DIAZED fuse link contact call of the Qui	mechanical service life (switching cycles) typical	300 000
reference code according to IEC 81346-2 continuous current of the Quick DIAZED fuse link continuous current of the Quick DIAZED fuse link gG  Substance Prohibitance (Date)  operating voltage	electrical endurance (switching cycles) typical	300 000
continuous current of the Quick DIAZED fuse link continuous current of the quick DIAZED fuse link continuous current of the Quick DIAZED fuse link g0  Substance Prohibitance (Date) operating voltage  • at AC  — at 50 Hz rated value — at 60 Hz rated val	thermal current	10 A
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continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  operating voltage  • at AC  — at 60 Hz rated value — at 60 Hz rated value 5 500 V  • at DC rated value 5 500 V  • at DC rated value  • at Contact reliability  One maloperation per 100 million (17 V, 5 mA), one maloperation per 100 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  1 number of NC contacts for auxiliary contacts  1 vipe 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 with core end processing • at AWG cables  1 vightening torque of the screws in the bracket 1 vightening torque for duraliliary contacts with screw-type terminals  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 wide wemand 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 frate according to SN 31920 • with high demand frate according to SN 31920 • with high demand frate according to SN 31920 • with high demand frate according to SN 31920 • with high demand frate according to SN 31920 • with high demand frate according to SN 31920 • with high demand frate according to SN 31920 • with high demand frate acc		10 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG  Substance Prohibitance (Date)  operating voltage  • at AC  — at 50 Hz rated value — 5 500 V  Power Electronics  contact reliability  Cone maloperation per 100 million (17 V, 5 mA), one maloperation per 100 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 1 number of NC contacts for auxiliary contacts 1 vipe of electrical connection • of modules and accessories  • solid with core end processing • solid without core end processing • solid without core end processing • finely stranded with core end processing • at AWG cables • at AWG cables  1 vightening torque of the screws in the bracket 1 vightening torque of the screws in the bracket 1 vightening torque of the screws in the bracket 1 vightening torque for auxiliary contacts with screw-type terminals  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 underward the screw of the s	continuous current of the quick DIAZED fuse link	10 A
Substance Prohibitance (Date) operating voltage		10 A
operating voltage  • at AC  — at 50 Hz rated value  • at DC 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  number of NC contacts for auxiliary contacts  1  number of NC contacts for auxiliary contacts  2  connections  1  connections  5  connections  6  connections  6  connectable conductor cross-sections  9  connectable conductor cross-sections  9  connectable conductor cross-sections  1  connectable conductor cross-sections  2  connectable conducto		
• at AC  — at 50 Hz rated value — at 60 Hz rated value 5 500 V  • at DC rated value 5 500 V  Power Electronics  contact reliability  One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  Auxillary circuit  design of the contact of auxillary contacts number of NC contacts for auxillary contacts 1 number of NC contacts for auxillary contacts 0 Connections/ Torminals  Itype of contections of the conductor cross-sections • of modules and accessories 1 type of connectable conductor cross-sections • solid with core end processing • solid with core end processing • finely stranded with core end processing • at AWG cables  dightening torque of the screws in the bracket 1 tightening torque of the screws in the bracket 1 tightening torque for auxiliary contacts with screw-type terminals  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 • 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 • during storage environmental category during operation • during operation • during operation • during operation • of modules and accessories  fastening method • of modules and accessories  Front plate mounting  ### AD TOR		
- at 50 Hz rated value - at 60 Hz rated value 5 500 V  Power Electronics  contact reliability  Cone maloperation per 100 million (17 V, 5 mA), one maloperation per 100 million (17 V, 5 mA), one maloperation per 100 million (18 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 2 contact for auxiliary contacts 3 contact for auxiliary contacts 4 contact for auxiliary contac		
at DC rated value 5500 V  Power Electronics contact reliability		5 500 V
a to DC rated value  box contact reliability  contact reliability  Cone maloperation per 100 million (17 V, 5 mA), one maloperation per 100 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 with core end processing finely stranded with core end processing finely stranded with core end processing at AWG cables  by terminals  at AWG cables  at		
Power Electronics  contact reliability  One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts 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 with core end processing • solid without core end processing • solid without core end processing • finely stranded with core end processing • at AWG cables  **Itightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  **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 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories helight width  **One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  Silver alloy  Silver alloy  100 million (5 V, 1 mA)  Silver alloy  20 x (10		
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 type of connectable conductor cross-sections  • solid with core end processing • solid without core end processing • finely stranded with core end processing • at AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 a with high demand rate according to SN 31920  Ambient conditions  ambient temperature • during operation • of modules and accessories  for not plate mounting front plate mounting hight width  vidth  vidth  vidth  vidth		5 500 V
design of 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 0  Connections/ Terminals  type of electrical connection • of modules and accessories  **solid with core end processing • solid without core end processing • solid without core end processing • finely stranded with ore end processing • at AWG cables  **at AWG cables  **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 acco		0 1 1 1 400 11 (77)
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 type of connectable conductor cross-sections • solid with core end processing • finely stranded with core end processing • finely stranded with core end processing • at AWG cables  2x (1.0 1.5 mm²) • at AWG cables • 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	contact reliability	
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts  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 without core end processing  • finely stranded without core end processing  • at AWG cables  tightening torque of the screws in the bracket  tightening torque of rauxiliary contacts with screw-type terminals  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  proportion of dangerous failures  • with low demand rate according to SN 31920  awith 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  and sale with plate mounting dimensions  fastening method  • of modules and accessories  fornt plate mounting  front plate mounting  fornt plate mounting  width  in Manual Ambient  fornt plate mounting  front plate mounting  fornt plate mounting  width	Auxiliary circuit	
number of NO contacts for auxiliary contacts  connections/ Terminals  type of electrical connection  of modules and accessories  solid with core end processing elinely stranded with core end processing finely stranded without core end processing at AWC cables  tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  Safety related data  B10 value with high 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 height width	design of the contact of auxiliary contacts	Silver alloy
type of electrical connection  of modules and accessories  type of connectable conductor cross-sections  osolid with core end processing offinely stranded without core end	number of NC contacts for auxiliary contacts	1
type of electrical connection	number of NO contacts for auxiliary contacts	0
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         • at AWG cables         • at AWG cables	Connections/ Terminals	
type of connectable conductor cross-sections	type of electrical connection	
type of connectable conductor cross-sections	of modules and accessories	Screw-type terminal
solid with core end processing     solid without end processing     solid 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  Pront plate mounting  Front plate mounting  Front plate mounting  Front plate mounting  Front plate mounting  ### Width  ###	type of connectable conductor cross-sections	
<ul> <li>solid without core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> <li>tightening torque of the screws in the bracket</li> <li>tightening torque of rauxiliary contacts with screw-type terminals</li> <li>Safety related data</li> <li>B10 value with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</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> <li>during operation</li> <li>during operation</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>front plate mounting</li> <li>form plate mounting</li> <li>members</li> <li>front plate mounting</li> <li>members</li> <li>front plate mounting</li> <li>members</li> <li>members</li> <li>front plate mounting</li> <li>front plate mounting</li> <li>members</li> <li>members</li> <li>members</li> <li>members</li> <li>members</li> <li>front plate mounting</li> <li>members</li> <li></li></ul>		2x (0.5 0.75 mm²)
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> <li>2x (1,0 1,5 mm²)</li> <li>2x (18 14)</li> <li>tightening torque of the screws in the bracket</li> <li>tightening torque for auxiliary contacts with screw-type terminals</li> <li>Safety related data</li> <li>B10 value with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>with ligh demand rate according to SN 31920</li> <li>with ligh demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</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>40 mm</li> <li>width</li> <li>30 mm</li> </ul>		
<ul> <li>finely stranded without core end processing</li> <li>at AWG cables</li> <li>tightening torque of the screws in the bracket</li> <li>tightening torque for auxiliary contacts with screw-type terminals</li> <li>Safety related data</li> <li>B10 value with high demand rate according to SN 31920</li> <li>proportion of dangerous failures</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> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>during operation</li> <li>during operation</li> <li>eduring 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>for Modules and method and meth</li></ul>		
at AWG cables     tightening torque of the screws in the bracket     tightening torque for auxiliary contacts with screw-type     terminals  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     with high demand rate according to SN 31920     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  VX (18 14)  1 1.2 N·m  1		
tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  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 swith high demand rate according to SN 31920 • with high demand rate according to SN 31920 swith 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  1 1.2 N·m  0.8 0.9 N·m  100 000  20 %  20 %  20 %  300 FIT  300 FIT  300 FIT  3M6, 3S2, 3S2, 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 Front plate mounting  height width		
tightening torque for auxiliary contacts with screw-type terminals  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  0.8 0.9 N·m  0.8 0.9 N·m  100 000  20 %  100 FIT  30 FIT  31920  -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  Front plate mounting  40 mm  30 mm		
terminals  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 31920  Ambient conditions  ambient temperature  • during operation • during storage 40 +80 °C  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories  height width  100 000  20 %  100 FIT  300 FIT  40 MIT  40 MIT  40 MIT  40 MIT  30 MIT  40 MIT  30 MIT  40 MIT  30 MIT  40 M		
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  100 000  100 FIT  20 %  100 FIT  30 FIT  30 SC  30 SS2, 382, 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  30 mm		0.6 0.9 N·III
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  100 000  100 FIT  20 %  100 FIT  30 FIT  30 SC  30 SS2, 382, 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  30 mm	Safety related data	
proportion of dangerous failures  • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  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  20 %  100 FIT  300 FIT  340 °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  30 mm	•	100,000
<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>with high demand rate according to SN 31920</li> <li>20 %</li> <li>30 %</li> <li>100 FIT</li> <li>30 FIT</li> <li>30 MF</li> <li>30 mm</li> </ul>		100 000
<ul> <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         <ul> <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>front plate mounting</li> <li>height</li> <li>with high demand rate according to SN 31920</li> <li>100 FIT</li> <li>25 +70 °C</li> <li>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></li></ul>		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  Installation/ mounting/ dimensions  fastening method • of modules and accessories  height  width  100 FIT  100 FI	G	
Ambient conditions         ambient temperature       • during operation       -25 +70 °C         • during storage       -40 +80 °C         environmental category during operation according to IEC 60721       3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)         Installation/ mounting/ dimensions       front plate mounting         fastening method       front plate mounting         • of modules and accessories       Front plate mounting         height       40 mm         width       30 mm	failure rate [FIT] with low demand rate according to SN	
ambient temperature  • during operation • during storage • during storage • environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories  height width  -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  width		
<ul> <li>during operation</li> <li>during storage</li> <li>environmental category during operation according to IEC</li> <li>60721</li> <li>Installation/ mounting/ dimensions</li> <li>fastening method</li> <li>of modules and accessories</li> <li>height</li> <li>width</li> <li>-25 +70 °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> <li>front plate mounting</li> <li>Front plate mounting</li> <li>40 mm</li> <li>width</li> <li>30 mm</li> </ul>		
<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>front plate mounting</li> <li>of modules and accessories</li> <li>Front plate mounting</li> <li>height</li> <li>width</li> <li>30 mm</li> </ul> </li> </ul>	•	-25 +70 °C
environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method of modules and accessories  height width  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  30 mm		
Installation/ mounting/ dimensions       fastening method     front plate mounting       ◆ of modules and accessories     Front plate mounting       height     40 mm       width     30 mm		
fastening method       front plate mounting         ◆ of modules and accessories       Front plate mounting         height       40 mm         width       30 mm	environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
<ul> <li>of modules and accessories</li> <li>height</li> <li>width</li> <li>Front plate mounting</li> <li>40 mm</li> <li>30 mm</li> </ul>	environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
height40 mmwidth30 mm	environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
width 30 mm	environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method	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
	environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories	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
shape of the installation opening round	environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories	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
	environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  height	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

mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	46.4 mm
installation width	75 mm
installation depth	48.6 mm
Accessories	
number of backing plates	1
marking of backing plate	EMERGENCY-STOP
color of backing plate	Yellow
Certificates/ approvals	
Further information	

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=3SU1100-1HA20-1CH0-Z X90

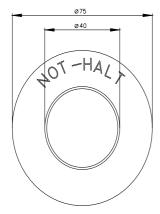
Cax online generator

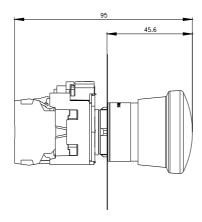
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HA20-1CH0-Z X90

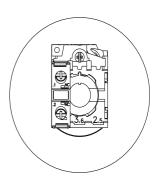
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

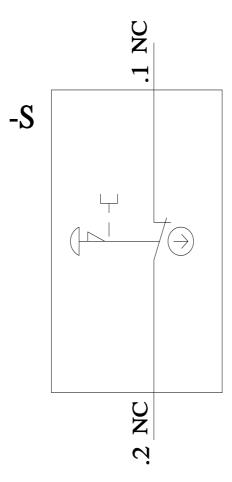
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HA20-1CH0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-1HA20-1CH0-Z X90&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-1HA20-1CH0-Z X90&lang=en</a>









last modified: 1/27/2022 🖸