SIEMENS

Data sheet

3SU1100-1HB20-1FH0

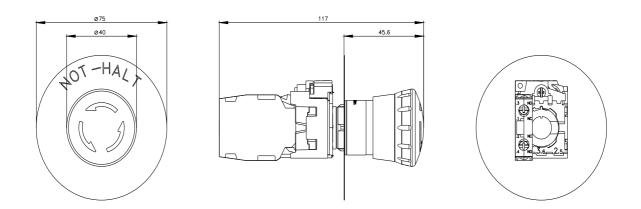


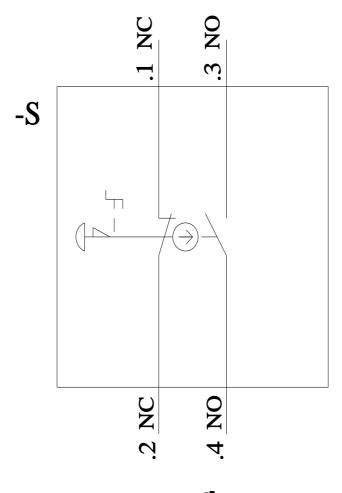
EMERGENCY STOP mushroom-type actuator, 22 mm, round, plastic, red, 40 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: NOT-HALT, with holder, 1 NO+1 NC, screw terminal

| product brand name | SIRIUS ACT |
|--|-------------------------------------|
| product designation | EMERGENCY STOP mushroom pushbuttons |
| design of the product | Complete unit |
| product type designation | 3SU1 |
| product line | Plastic, black, 22 mm |
| manufacturer's article number | |
| of supplied contact module at position 1 | <u>3SU1400-1AA10-1FA0</u> |
| of the supplied holder | <u>3SU1550-0AA10-0AA0</u> |
| of the supplied actuator | <u>3SU1000-1HB20-0AA0</u> |
| of supplied accessory | <u>3SU1900-0BC31-0AT0</u> |
| Enclosure | |
| number of command points | 1 |
| Actuator | |
| design of the actuating element | positive latching |
| principle of operation of the actuating element | latching |
| product extension optional light source | No |
| color of the actuating element | red |
| material of the actuating element | plastic |
| shape of the actuating element | round |
| outer diameter of the actuating element | 40 mm |
| number of contact modules | 1 |
| type of unlocking device | rotate-to-unlatch mechanism |
| Front ring | |
| product component front ring | No |
| Holder | |
| material of the holder | Plastic |
| Display | |
| number of LED modules | 0 |
| General technical data | |
| product function | |
| positive opening | Yes |
| EMERGENCY OFF function | Yes |
| EMERGENCY STOP function | Yes |
| product component light source | No |
| insulation voltage rated value | 500 V |
| degree of pollution | 3 |
| type of voltage of the operating voltage | AC/DC |
| surge voltage resistance rated value | 6 kV |
| protection class IP | IP66, IP67, IP69(IP69K) |

| | NEMA rating1, 2, 3, 3R, 4, 4X, 12, 1360068-2-27sinusoidal half-wave 15g / 11 msations according to EN 61373Category 1, Class B60068-2-610 500 Hz: 5gations according to EN 61373Category 1, Class B60068-2:610 500 Hz: 5gations according to EN 61373Category 1, Class B6001/h300 000witching cycles) typical300 00010 A10 Ading to IEC 81346-2Sf the Qick DIAZED fuse link10 A, for a short-circuit current smaller than 400 Af the QIAZED fuse link gG10 Aice (Date)10/01/2014 |
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| shock resistance sinusoidal half-wave 15g / 11 ms • According to IEC 60088-2-27 sinusoidal half-wave 15g / 11 ms • According to IEC 60088-2-6 Category 1, Class IB • According to IEC 60088-2-6 Category 1, Class IB • According to IEC 60088-2-6 Category 1, Class IB • According to IEC 60088-2-6 Category 1, Class IB • According to IEC 60088-2-6 Category 1, Class IB • According to IEC 60088-2-6 Southing cycles typical • According to IEC 81346-2 Southing cycles typical • Accordinuous 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, for a short-circuit current smaller than 400 A • Continuous current of the DIAZED fuse link GG 10 A, for a short-circuit current smaller than 400 A • art 60 Hz rated value 5 500 V • at 80 Hz rated value 5 500 V • at 0C - at 60 Hz rated value • at 0C Crated value 5 500 V • According to IEC 81346-2 Southing cycles typical • at 0C Crated value 5 500 V • at 0C Trated value 5 500 V • Dower Electronics Contract reliability | 60068-2-27sinusoidal half-wave 15g / 11 msations according to EN 61373Category 1, Class B60068-2-610 500 Hz: 5gations according to EN 61373Category 1, Class B60068-2-610 500 Hz: 5gations according to EN 61373Category 1, Class B600 1/h300 000(switching cycles) typical300 000witching cycles) typical300 00010 A10 Ading to IEC 81346-2Sf the C characteristic MCB10 A; for a short-circuit current smaller than 400 Af the quick DIAZED fuse link10 Af the DIAZED fuse link gG10 Acce (Date)10/01/2014ed value5 500 Ved value5 500 V |
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| type of connectable conductor cross-sections• solid with core end processing2x (0.5 0.75 mm²)• solid without core end processing2x (1.0 1.5 mm²)• finely stranded with core end processing2x (0.5 1.5 mm²)• finely stranded without core end processing2x (1.0 1,5 mm²)• at AWG cables2x (1.8 14)tightening torque of the screws in the bracket1 1.2 N·mtightening torque for auxiliary contacts with screw-type terminals0.8 0.9 N·mSafety related data100 000 | |
| solid with core end processing solid without core end processing solid without core end processing finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing at AWG cables at AWG cables 2x (1,0 1,5 mm²) at AWG cables 2x (18 14) 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 100 000 | |
| • solid without core end processing 2x (1.0 1.5 mm²) • finely stranded with core end processing 2x (0.5 1.5 mm²) • finely stranded without core end processing 2x (1,0 1,5 mm²) • at AWG cables 2x (1.0 1,5 mm²) • at AWG cables 2x (1.0 1,5 mm²) • tightening torque of the screws in the bracket 1 1.2 N·m tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data 100 000 | onductor cross-sections |
| • finely stranded with core end processing 2x (0.5 1.5 mm²) • finely stranded without core end processing 2x (1,0 1,5 mm²) • at AWG cables 2x (18 14) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data 100 000 | |
| • finely stranded without core end processing 2x (1,0 1,5 mm²) • at AWG cables 2x (18 14) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data 100 000 | end processing 2x (1.0 1.5 mm ²) |
| • at AWG cables 2x (18 14) tightening torque of the screws in the bracket 1 1.2 N·m tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data 100 000 | ith core end processing 2x (0.5 1.5 mm ²) |
| tightening torque of the screws in the bracket 1 1.2 N·m tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data B10 value with high demand rate according to SN 31920 | ithout core end processing 2x (1,0 1,5 mm ²) |
| tightening torque for auxiliary contacts with screw-type terminals 0.8 0.9 N·m Safety related data B10 value with high demand rate according to SN 31920 | 2x (18 14) |
| terminals Safety related data B10 value with high demand rate according to SN 31920 100 000 | he screws in the bracket 1 1.2 N·m |
| Safety related data B10 value with high demand rate according to SN 31920 100 000 | xiliary contacts with screw-type 0.8 0.9 N·m |
| B10 value with high demand rate according to SN 31920 100 000 | |
| <u>_</u> | |
| proportion of dangerous failures | mand rate according to SN 31920 100 000 |
| | ous 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 100 FIT 31920 | rate according to SN 31920 20 % |
| Ambient conditions | rate according to SN 3192020 %d rate according to SN 3192020 % |
| ambient temperature | rate according to SN 3192020 %d rate according to SN 3192020 % |
| | rate according to SN 3192020 %d rate according to SN 3192020 % |
| | rate according to SN 31920 20 % d rate according to SN 31920 20 % w demand rate according to SN 100 FIT |
| | rate according to SN 31920 20 % 20 % 20 % w demand rate according to SN 1920 100 FIT 100 FIT -25 +70 °C |
| | rate according to SN 31920 20 % 20 % 20 % w demand rate according to SN 1020 100 FIT -25 +70 °C -40 +80 °C |
| Installation/ mounting/ dimensions | rate according to SN 31920 20 % 20 % 20 % 20 % 20 % 100 FIT 20 % 20 |
| | rate according to SN 31920 20 % d rate according to SN 31920 20 % w demand rate according to SN 100 FIT -25 +70 °C -40 +80 °C / during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) |
| | rate according to SN 31920 20 % d rate according to SN 31920 20 % w demand rate according to SN 100 FIT -25 +70 °C -40 +80 °C -40 +80 °C y during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) dimensions |
| | rate according to SN 31920 20 % d rate according to SN 31920 20 % w demand rate according to SN 100 FIT -25 +70 °C -40 +80 °C v during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) dimensions front plate mounting |
| | rate according to SN 31920 20 % d rate according to SN 31920 20 % w demand rate according to SN 100 FIT -25 +70 °C -40 +80 °C v during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) dimensions front plate mounting Front plate mounting |
| | rate according to SN 31920 20 % d rate according to SN 31920 20 % w demand rate according to SN 100 FIT -25 +70 °C -40 +80 °C v during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) dimensions front plate mounting Front plate mounting Accessories Front plate mounting 40 mm |
| shape of the installation opening round | rate according to SN 31920 20 % d rate according to SN 31920 20 % w demand rate according to SN 100 FIT -25 +70 °C -40 +80 °C / during operation according to IEC 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) dimensions front plate mounting accessories Front plate mounting 40 mm 30 mm |

| mounting diameter | | 22.3 | | | |
|---|--|-------------------------------|--|----------------------------|------------------------------|
| • | f installation diameter | | | | |
| mounting height | | 46.4 | | | |
| installation width | | 75 m | | | |
| installation depth | | 70.6 | mm | | |
| ccessories | | | | | |
| number of backing | olates | 1 | | | |
| marking of backing | plate | EME | RGENCY-STOP | | |
| color of backing pla | te | Yello | W | | |
| ertificates/ approval | S | | | | |
| General Product Ap | proval | | | | Declaration of Conformity |
| SP CM | <u>Confirmation</u> | CCC | | EHC | CE EG-Konf. |
| Declaration of Conformity | Test Certificates | | Marine / Shipping | | |
| | <u>Type Test Certific-</u> ates/Test Report | Special Test Certific- ate | ABS | Lloyd's Register urs | PRS |
| Marine / Shipping | | other | | | |
| RINA | RMRS | <u>Confirmation</u> | <u>Environmental Con-</u> <u>firmations</u> | | |
| urther information Information- and Do https://www.siemens. | wnloadcenter (Catalo | gs, Brochures,) | | | |
| Industry Mall (Online https://mall.industry.s | e ordering system) iemens.com/mall/en/er | /Catalog/product?mlfb= | 3SU1100-1HB20-1FH0 | | |
| Cax online generato http://support.automa | | CAXorder/default.aspx | lang=en&mlfb=3SU110 | <u>0-1HB20-1FH0</u> | |
| Service&Support (M | anuals, Certificates, 0 | Characteristics, FAQs, |) | | |
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