SIEMENS

Data sheet

3SU1100-1HB20-1CG0





EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: EMERGENCY STOP, with holder, 1 NC, screw terminal



| product brand name | SIKIUS 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 | 3SU1400-1AA10-1CA0 |
| of the supplied holder | 3SU1550-0AA10-0AA0 |
| of the supplied actuator | 3SU1000-1HB20-0AA0 |
| of supplied accessory | 3SU1900-0BC31-0DA0 |
| 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 |

SIRIUS ACT

| surge voltage resistance rated value | 6 kV |
|--|---|
| protection class IP | IP66, IP67, IP69(IP69K) |
| protection class IP of the terminal | IP20 |
| degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 |
| shock resistance | |
| • according to IEC 60068-2-27 | sinusoidal half-wave 15g / 11 ms |
| for railway applications according to EN 61373 | Category 1, Class B |
| vibration resistance | |
| • according to IEC 60068-2-6 | 10 500 Hz: 5g |
| for railway applications according to EN 61373 | Category 1, Class B |
| operating frequency maximum | 600 1/h |
| mechanical service life (operating cycles) typical | 300 000 |
| | 300 000 |
| electrical endurance (operating cycles) typical | |
| thermal current | 10 A |
| reference code according to IEC 81346-2 | 8 |
| continuous current of the C characteristic MCB | 10 A; for a short-circuit current smaller than 400 A |
| continuous current of the quick DIAZED fuse link | 10 A |
| continuous current of the DIAZED fuse link gG | 10 A |
| Substance Prohibitance (Date) | 10/01/2014 |
| Weight | 81 g |
| operating voltage | |
| • at AC | |
| — at 50 Hz rated value | 5 500 V |
| — 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 |
| Contact renability | (5 V, 1 mA) |
| Auxiliary circuit | |
| design of the contact of auxiliary contacts | Silver alloy |
| <u> </u> | · |
| number of NC contacts for auxiliary contacts | 1 |
| number of NO contacts for auxiliary contacts | |
| number of NO contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts Connections/ Terminals | |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 0 |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories | |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections | 0 Screw-type terminal |
| 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 | O Screw-type terminal 2x (0.5 0.75 mm²) |
| 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 | 0 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) |
| 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 with core end processing | 0 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) |
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| 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) |
| Environmental footprint | Contained in operation porting to all across serime non-pariety |
| Environmental Product Declaration(EPD) | Yes |
| 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 |
| Siemens Eco Profile (SEP) | Siemens EcoTech |
| 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 |
| 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









Type Test Certificates/Test Report

Test Certificates

Test Certificates

other

Environment

Special Test Certificate

Confirmation







Environmental Confirmations

Further information

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=3SU1100-1HB20-1CG0

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1100-1HB20-1CG0}$

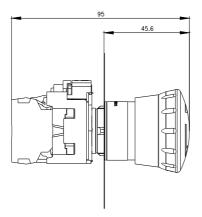
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CG0

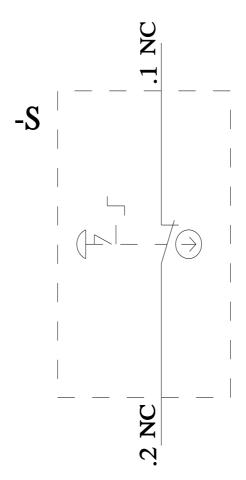
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1CG0\&lang=ender.pdf}}$









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