



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, without inscription, with holder, 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      | <a href="#">3SU1400-1AA10-1CA0</a>  |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>  |
| • of the supplied actuator                      | <a href="#">3SU1000-1HB20-0AA0</a>  |
| • of supplied accessory                         | <a href="#">3SU1900-0BC31-0AA0</a>  |
| 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                               |

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| <b>surge voltage resistance rated value</b>                          | 6 kV  |
| • protection class IP<br>• protection class IP of the terminal       | IP66, IP67, IP69(IP69K)<br>IP20   |
| <b>degree of protection NEMA rating</b>                              | 1, 2, 3, 3R, 4, 4X, 12, 13  |
| <b>shock resistance</b>  | sinusoidal half-wave 15g / 11 ms<br>Category 1, Class B   |
| <b>vibration resistance</b>  | 10 ... 500 Hz: 5g<br>Category 1, Class B  |
| <b>operating frequency maximum</b>                                   | 600 1/h   |
| <b>mechanical service life (operating cycles) typical</b>            | 300 000   |
| electrical endurance (operating cycles) typical                      | 300 000   |
| <b>thermal current</b>   | 10 A  |
| <b>reference code according to IEC 81346-2</b>                       | S   |
| <b>continuous current of the C characteristic MCB</b>                | 10 A; for a short-circuit current smaller than 400 A  |
| <b>continuous current of the quick DIAZED fuse link</b>              | 10 A  |
| <b>continuous current of the DIAZED fuse link gG</b>                 | 10 A  |
| <b>Substance Prohibitance (Date)</b>                                 | 10/01/2014  |
| <b>operating voltage</b>   |   |
| • 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   |
| <b>Power Electronics</b>   |   |
| <b>contact reliability</b>   | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  |
| <b>Auxiliary circuit</b>   |   |
| <b>design of the contact of auxiliary contacts</b>                   | Silver alloy  |
| <b>number of NC contacts for auxiliary contacts</b>                  | 1   |
| <b>number of NO contacts for auxiliary contacts</b>                  | 0   |
| <b>Connections/ Terminals</b>  |   |
| • type of electrical connection of modules and accessories           | Screw-type terminal   |
| <b>type of connectable conductor cross-sections</b>                  |   |
| • solid with core end processing                                     | 2x (0.5 ... 0.75 mm <sup>2</sup> )  |
| • solid without core end processing                                  | 2x (1.0 ... 1.5 mm <sup>2</sup> )   |
| • finely stranded with core end processing                           | 2x (0.5 ... 1.5 mm <sup>2</sup> )   |
| • finely stranded without core end processing                        | 2x (1,0 ... 1,5 mm <sup>2</sup> )   |
| • for AWG cables   | 2x (18 ... 14)  |
| <b>tightening torque of the screws in the bracket</b>                | 1 ... 1.2 N·m   |
| tightening torque for auxiliary contacts with screw-type terminals   | 0.8 ... 0.9 N·m   |
| <b>Safety related data</b>   |   |
| <b>proportion of dangerous failures</b>                              |   |
| • with low demand rate according to SN 31920                         | 20 %  |
| • with high demand rate according to SN 31920                        | 20 %  |
| <b>B10 value with high demand rate according to SN 31920</b>         | 100 000   |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b> | 100 FIT   |
| <b>Ambient conditions</b>  |   |
| <b>ambient temperature</b>   |   |
| • 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) |
| <b>Environmental footprint</b>                                       |   |
| Environmental Product Declaration(EPD)                               | Yes   |
| Global Warming Potential [CO <sub>2</sub> eq] total                  | 0.787 kg  |
| Global Warming Potential [CO <sub>2</sub> eq] during manufacturing   | 0.566 kg  |
| Global Warming Potential [CO <sub>2</sub> eq] during operation       | 0.235 kg  |

|   |                      |
|---|----------------------|
| Global Warming Potential [CO2 eq] after end of life | -0.015 kg            |
| Siemens Eco Profile (SEP)                           | Siemens EcoTech      |
| <b>Installation/ mounting/ dimensions</b>           |                      |
| • fastening method                                  | front plate mounting |
| • fastening method 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              |
| <b>Accessories</b>                                  |                      |
| number of backing plates                            | 1                    |
| marking of backing plate                            | none                 |
| color of backing plate                              | Yellow               |
| <b>Approvals Certificates</b>                       |                      |
| General Product Approval                            |                      |



[Confirmation](#)



| General Product Approval | Test Certificates                                  | Marine / Shipping                        |
|--------------------------|--|--|
| <b>EAC</b>               | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Special Test Certificate</a> |
|                          |  |  |
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| Marine / Shipping | other                        | Environment |
|-------------------|------------------------------|-------------|
|                   | <a href="#">Confirmation</a> |             |

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| <b>Further information</b>   |
| Information on the packaging<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>  |
| Information- and Downloadcenter (Catalogs, Brochures,...)<br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>   |
| Industry Mall (Online ordering system)<br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-1HB20-1CF0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-1HB20-1CF0</a>  |
| Cax online generator<br><a href="http://support.automation.siemens.com/WW/CAxorder/default.aspx?lang=en&amp;mlfb=3SU1100-1HB20-1CF0">http://support.automation.siemens.com/WW/CAxorder/default.aspx?lang=en&amp;mlfb=3SU1100-1HB20-1CF0</a>  |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...)<br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CF0">https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CF0</a>  |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)<br><a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1CF0&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1CF0&amp;lang=en</a> |



