



EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, without yellow backing plate, with holder, 1 NC, 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                                    | Metal, shiny, 22 mm                 |
| manufacturer's article number                   |                                     |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-1CA0</a>  |
| • of supplied contact module at position 2      | <a href="#">3SU1400-1AA10-1CA0</a>  |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>  |
| • of the supplied actuator                      | <a href="#">3SU1050-1HB20-0AA0</a>  |
| <b>Enclosure</b>                                |                                     |
| number of command points                        | 1                                   |
| <b>Actuator</b>                                 |                                     |
| 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                       | 2                                   |
| type of unlocking device                        | rotate-to-unlatch mechanism         |
| <b>Front ring</b>                               |                                     |
| product component front ring                    | No                                  |
| <b>Holder</b>                                   |                                     |
| material of the holder                          | Plastic                             |
| <b>Display</b>                                  |                                     |
| number of LED modules                           | 0                                   |
| <b>General technical data</b>                   |                                     |
| 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)             |

|                                                                           |                                                                                                                                               |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| • of the terminal                                                         | IP20, clamping screw tightened                                                                                                                |
| <b>degree of protection NEMA rating</b>                                   | 1, 2, 3, 3R, 4, 4X, 12, 13                                                                                                                    |
| <b>shock resistance</b>                                                   |                                                                                                                                               |
| • acc. to IEC 60068-2-27                                                  | sinusoidal half-wave 15g / 11 ms                                                                                                              |
| • for railway applications acc. to DIN EN 61373                           | Category 1, Class B                                                                                                                           |
| <b>vibration resistance</b>                                               |                                                                                                                                               |
| • acc. to IEC 60068-2-6                                                   | 10 ... 500 Hz: 5g                                                                                                                             |
| • for railway applications acc. to DIN EN 61373                           | Category 1, Class B                                                                                                                           |
| <b>operating frequency maximum</b>                                        | 600 1/h                                                                                                                                       |
| mechanical service life (switching cycles) typical                        | 300 000                                                                                                                                       |
| electrical endurance (switching cycles) typical                           | 300 000                                                                                                                                       |
| <b>thermal current</b>                                                    | 10 A                                                                                                                                          |
| <b>reference code acc. 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>                                      | 01.10.2014                                                                                                                                    |
| <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>                       | 2                                                                                                                                             |
| <b>number of NO contacts for auxiliary contacts</b>                       | 0                                                                                                                                             |
| <b>Connections/ Terminals</b>                                             |                                                                                                                                               |
| <b>type of electrical connection</b>                                      |                                                                                                                                               |
| • 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> )                                                                                                             |
| • at 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>                                                |                                                                                                                                               |
| B10 value with high demand rate acc. to SN 31920                          | 100 000                                                                                                                                       |
| <b>proportion of dangerous failures</b>                                   |                                                                                                                                               |
| • with low demand rate acc. to SN 31920                                   | 20 %                                                                                                                                          |
| • with high demand rate acc. to SN 31920                                  | 20 %                                                                                                                                          |
| failure rate [FIT] with low demand rate acc. to SN 31920                  | 100 FIT                                                                                                                                       |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b> | 20 y                                                                                                                                          |
| <b>Ambient conditions</b>                                                 |                                                                                                                                               |
| <b>ambient temperature</b>                                                |                                                                                                                                               |
| • during operation                                                        | -25 ... +70 °C                                                                                                                                |
| • during storage                                                          | -40 ... +80 °C                                                                                                                                |
| environmental category during operation acc. 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>Installation/ mounting/ dimensions</b>                                 |                                                                                                                                               |
| <b>fastening method</b>                                                   |                                                                                                                                               |
| • of modules and accessories                                              | front plate mounting<br>Front plate mounting                                                                                                  |
| <b>height</b>                                                             | 40 mm                                                                                                                                         |
| <b>width</b>                                                              | 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                          | 40 mm   |
| installation depth                          | 70.6 mm |

#### Accessories

|                          |   |
|--------------------------|---|
| number of backing plates | 0 |
|--------------------------|---|

#### Certificates/ approvals

|                          |                           |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |
|--------------------------|---------------------------|



[Confirmation](#)



|                           |                   |                   |
|---------------------------|-------------------|-------------------|
| Declaration of Conformity | Test Certificates | Marine / Shipping |
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|                   |       |
|-------------------|-------|
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|-------------------|-------|



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#### 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=3SU1150-1HB20-1PA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-1HB20-1PA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-1HB20-1PA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1150-1HB20-1PA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-1HB20-1PA0&lang=en)

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