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EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, metal, shiny, red, 30 mm, positive latching, according to DIN EN ISO 13850, rotate-to-unlatch, washer for EMERGENCY STOP, yellow, without inscription, with holder, 1 NC, 1 NC, LED module 24 V red, spring-loaded terminal, front plate mounting

|                                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| 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="#">3SU1400-1AA10-3CA0</a>  |
| • of supplied contact module at position 2      | <a href="#">3SU1400-1AA10-3CA0</a>  |
| • of supplied LED module                        | <a href="#">3SU1401-1BB20-3AA0</a>  |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>  |
| • of the supplied actuator                      | <a href="#">3SU1051-1GB20-0AA0</a>  |
| • of supplied accessory                         | <a href="#">3SU1900-0BN31-0AA0</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         | 33.8 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                           | 1                                   |
| <b>General technical data</b>                   |                                     |
| product function                                |                                     |
| • positive opening                              | Yes                                 |
| • EMERGENCY OFF function                        | Yes                                 |
| • EMERGENCY STOP function                       | Yes                                 |
| product component light source                  | Yes                                 |

|                                                             |                                                                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>insulation voltage rated value</b>                       | 500 V                                                                                                           |
| <b>degree of pollution</b>                                  | 3                                                                                                               |
| type of voltage of the operating voltage                    | AC/DC                                                                                                           |
| <b>surge voltage resistance rated value</b>                 | 6 kV                                                                                                            |
| <b>protection class IP</b>                                  | IP66, IP67, IP69(IP69K)                                                                                         |
| protection class IP of the terminal                         | IP20                                                                                                            |
| <b>degree of protection NEMA rating</b>                     | 1, 2, 3, 3R, 4, 4X, 12, 13                                                                                      |
| <b>shock resistance</b>                                     |                                                                                                                 |
| • according to IEC 60068-2-27                               | sinusoidal half-wave 15g / 11 ms                                                                                |
| <b>vibration resistance</b>                                 |                                                                                                                 |
| • according to IEC 60068-2-6                                | 10 ... 500 Hz: 5g                                                                                               |
| <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>SVHC substance name</b>                                  | Lead monoxide (lead oxide) - 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 |
| <b>Net Weight</b>                                           | 170 g                                                                                                           |
| <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>Supply voltage</b>                                       |                                                                                                                 |
| type of voltage of the supply voltage of the light source   | AC/DC                                                                                                           |
| <b>supply voltage of the light source at AC</b>             |                                                                                                                 |
| • at 60 Hz rated value                                      | 24 ... 24 V                                                                                                     |
| <b>supply voltage of the light source at DC rated value</b> |                                                                                                                 |
| •                                                           | 24 ... 24 V                                                                                                     |
| <b>Control circuit/ Control</b>                             |                                                                                                                 |
| <b>inrush current of LED module maximum</b>                 | 3 A                                                                                                             |
| <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                                | Spring-type terminal                                                                                            |
| <b>type of connectable conductor cross-sections</b>         |                                                                                                                 |
| • solid without core end processing                         | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                                              |
| • finely stranded with core end processing                  | 2x (0.25 ... 0.75 mm <sup>2</sup> )                                                                             |
| • finely stranded without core end processing               | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                                              |
| • for AWG cables                                            | 2x (24 ... 16)                                                                                                  |
| <b>tightening torque of the screws in the bracket</b>       | 1 ... 1.2 N·m                                                                                                   |
| <b>Lamp</b>                                                 |                                                                                                                 |
| <b>type of light source</b>                                 | LED                                                                                                             |
| <b>color of the light source</b>                            | red                                                                                                             |
| <b>Safety related data</b>                                  |                                                                                                                 |
| product function suitable for safety function               | Yes                                                                                                             |
| <b>service life maximum</b>                                 | 20 a                                                                                                            |
| <b>test wear-related service life necessary</b>             | Yes                                                                                                             |

|                                                                                     |                                                                                                                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>proportion of dangerous failures</b>                                             |                                                                                                                                               |
| • with low demand rate according to SN 31920                                        | 20 %                                                                                                                                          |
| • with high demand rate per NC contact 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 per NC contact according to SN 31920</b> | 100 FIT                                                                                                                                       |
| <b>ISO 13849</b>                                                                    |                                                                                                                                               |
| <b>device type according to ISO 13849-1</b>                                         | 3                                                                                                                                             |
| <b>IEC 61508</b>                                                                    |                                                                                                                                               |
| <b>safety device type according to IEC 61508-2</b>                                  | Type A                                                                                                                                        |
| T1 value for proof test interval or service life according to IEC 61508             | 20 a                                                                                                                                          |
| <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>Installation/ mounting/ dimensions</b>                                           |                                                                                                                                               |
| <b>fastening method</b>                                                             | front plate mounting                                                                                                                          |
| • of modules and accessories                                                        | Front plate mounting                                                                                                                          |
| <b>height</b>                                                                       | 40 mm                                                                                                                                         |
| <b>width</b>                                                                        | 30 mm                                                                                                                                         |
| <b>shape of the installation opening</b>                                            | round                                                                                                                                         |
| <b>mounting diameter</b>                                                            | 22.3 mm                                                                                                                                       |
| <b>positive tolerance of installation diameter</b>                                  | 0.4 mm                                                                                                                                        |
| <b>mounting height</b>                                                              | 46.4 mm                                                                                                                                       |
| <b>installation width</b>                                                           | 60 mm                                                                                                                                         |
| <b>installation depth</b>                                                           | 48.6 mm                                                                                                                                       |
| <b>Accessories</b>                                                                  |                                                                                                                                               |
| <b>number of backing plates</b>                                                     | 1                                                                                                                                             |
| <b>color of backing plate</b>                                                       | Yellow                                                                                                                                        |
| <b>Approvals Certificates</b>                                                       |                                                                                                                                               |
| <b>Environmental Product Declaration</b>                                            |                                                                                                                                               |
| • global warming potential [CO2 eq] / during manufacturing                          | 0.625 kg                                                                                                                                      |
| • global warming potential [CO2 eq] / during operation                              | 0.235 kg                                                                                                                                      |
| • global warming potential [CO2 eq] / after end of life                             | -0.267 kg                                                                                                                                     |
| • global warming potential [CO2 eq] / total                                         | 0.593 kg                                                                                                                                      |
| <b>Environment</b>                                                                  | <b>General Product Approval</b>                                                                                                               |

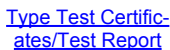
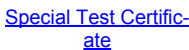


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|                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>General Product Approval</b>                                                     | <b>Test Certificates</b>                                                             | <b>Maritime application</b>                                                           |
|  |   |    |
|                                                                                     |  |  |
|                                                                                     |                                                                                      |  |
| <b>Maritime application</b>                                                         | <b>other</b>                                                                         |                                                                                       |



[Confirmation](#)

## Further information

### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

### 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=3SU1152-1GB20-3PW0>

### Cax online generator

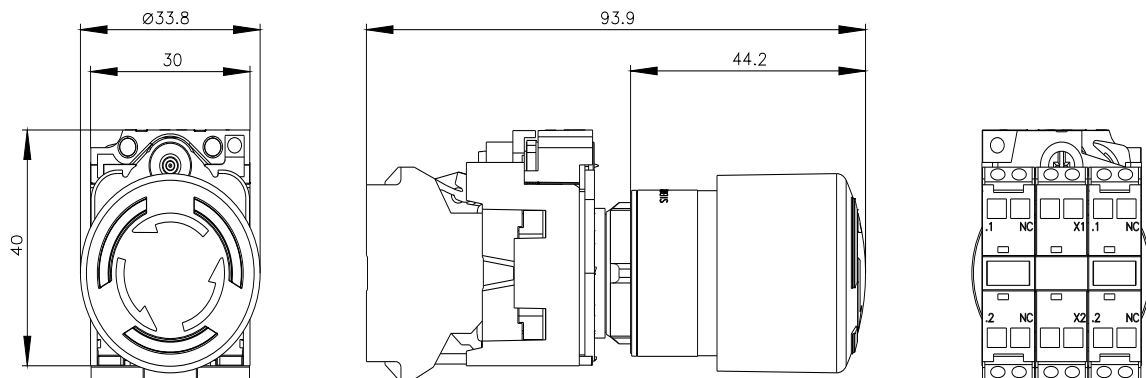
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1152-1GB20-3PW0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1152-1GB20-3PW0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1152-1GB20-3PW0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1152-1GB20-3PW0&lang=en)



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