

Illuminated pushbutton, 22 mm, round, plastic, red, pushbutton, flat, latching, Push-to-release mechanism



|                                             |                             |
|---------------------------------------------|-----------------------------|
| Product brand name                          | SIRIUS ACT                  |
| Product designation                         | Illuminated pushbuttons     |
| Design of the product                       | Actuating/signaling element |
| Product type designation                    | 3SU1                        |
| Enclosure                                   |                             |
| Number of command points                    | 1                           |
| Actuator                                    |                             |
| Design of the operating mechanism           | Flat button                 |
| Manner of function of the actuating element | latching                    |
| Product extension optional Light source     | Yes                         |
| Color                                       |                             |
| • of the actuating element                  | red                         |
| Material of the actuating element           | plastic                     |
| Shape of the actuating element              | round                       |
| Outer diameter of the actuating element     | 29.5 mm                     |
| Type of unlocking device                    | push-to-unlatch mechanism   |
| Front ring                                  |                             |
| Product component front ring                | Yes                         |

|                                   |          |
|-----------------------------------|----------|
| <b>Design of the front ring</b>   | Standard |
| <b>Material of the front ring</b> | plastic  |
| <b>Color of the front ring</b>    | black    |

#### General technical data

|                                                                                                                                                                |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Protection class IP</b>                                                                                                                                     | IP66, IP67, IP69(IP69K)                                  |
| <b>Degree of protection NEMA rating</b>                                                                                                                        | NEMA 1, 2, 3, 3R, 4, 4X, 12, 13                          |
| <b>Shock resistance</b> <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>    | Sinusoidal half-wave 50 g / 11 ms<br>Category 1, Class B |
| <b>Vibration resistance</b> <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul> | 10 ... 500 Hz: 5g<br>Category 1, Class B                 |
| <b>Operating frequency maximum</b>                                                                                                                             | 1 800 1/h                                                |
| <b>Mechanical service life (switching cycles)</b> <ul style="list-style-type: none"> <li>• typical</li> </ul>                                                  | 500 000                                                  |
| <b>Reference code acc. to DIN EN 81346-2</b>                                                                                                                   | S                                                        |
| <b>Reference code acc. to DIN EN 61346-2</b>                                                                                                                   | S                                                        |

#### Ambient conditions

|                                                                                                                           |                                                                     |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Ambient temperature</b> <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul> | -25 ... +70 °C<br>-40 ... +80 °C                                    |
| Environmental category during operation acc. to IEC 60721                                                                 | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %) |

#### Installation/ mounting/ dimensions

|                                                    |         |
|----------------------------------------------------|---------|
| <b>Height</b>                                      | 29.5 mm |
| <b>Width</b>                                       | 29.5 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>                             | 11 mm   |
| <b>Installation width</b>                          | 29.5 mm |
| <b>Installation depth</b>                          | 24.3 mm |

#### Certificates/ approvals

| General Product Approval                                                          |                                                                                   |                                                                                   | Declaration of Conformity                                                         | Test Certificates                                                         |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|
|  |  |  |  | <a href="#">Miscellaneous</a><br><a href="#">Special Test Certificate</a> |
| CSA                                                                               | UL                                                                                |                                                                                   | EG-Konf.                                                                          |                                                                           |

| Test Certificates                                  | Marine / Shipping                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <a href="#">Type Test Certificates/Test Report</a> |  |  |  |  |  |
|                                                    | ABS                                                                               | LRS                                                                               | PRS                                                                               | RINA                                                                                | RMRS                                                                                |

| Marine / Shipping                                                                 | other                        |
|-----------------------------------------------------------------------------------|------------------------------|
|  | <a href="#">Confirmation</a> |
| DNVGL.COM/AF                                                                      |                              |

#### Further information

##### Information- and Downloadcenter (Catalogs, Brochures,...)

[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1001-0AA20-0AA0>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-0AA20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-0AA20-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1001-0AA20-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-0AA20-0AA0&lang=en)



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