



Illuminated pushbutton, 22 mm, round, metal, shiny, red, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 110 V AC, screw terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

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| <b>product brand name</b>  | SIRIUS ACT   |
| <b>product designation</b>   | Illuminated pushbuttons  |
| <b>design of the product</b>   | Complete unit  |
| <b>product type designation</b>  | 3SU1   |
| <b>product line</b>  | Metal, shiny, 22 mm  |
| <b>manufacturer's article number</b>   |  |
| <ul style="list-style-type: none"> <li>• of supplied contact module at position 1</li> <li>• of supplied LED module</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> </ul> | <a href="#">3SU1400-1AA10-1FA0</a><br><a href="#">3SU1401-1BC20-1AA0</a><br><a href="#">3SU1550-0AA10-0AA0</a><br><a href="#">3SU1051-0AB20-0AA0</a> |
| <b>number of command points</b>  | 1  |
| <b>Actuator</b>  |  |
| <b>design of the actuating element</b>   | Button, flat   |
| <b>principle of operation of the actuating element</b>   | momentary contact type   |
| <b>product extension optional light source</b>   | Yes  |
| <b>color of the actuating element</b>  | red  |
| <b>material of the actuating element</b>   | plastic  |
| <b>shape of the actuating element</b>  | round  |
| <b>outer diameter of the actuating element</b>   | 29.45 mm   |
| <b>marking of the actuating element</b>  | Customized labeling, text in lower case / capital letters, all lines start with capital letter   |
| <b>number of contact modules</b>   | 1  |
| <b>Front ring</b>  |  |
| <b>product component front ring</b>  | Yes  |
| <b>design of the front ring</b>  | Standard   |
| <b>material of the front ring</b>  | Metal, high gloss  |
| <b>color of the front ring</b>   | silver   |
| <b>Holder</b>  |  |
| <b>material of the holder</b>  | Plastic  |
| <b>Display</b>   |  |
| <b>number of LED modules</b>   | 1  |
| <b>General technical data</b>  |  |
| <b>product function positive opening</b>   | Yes  |
| <b>product component light source</b>  | Yes  |
| <b>insulation voltage rated value</b>  | 320 V  |
| <b>degree of pollution</b>   | 3  |
| <b>type of voltage of the operating voltage</b>  | AC/DC  |
| <b>surge voltage resistance rated value</b>  | 4 kV   |
| <b>protection class IP</b>   | IP66, IP67, IP69(IP69K)  |

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|---|---|
| <ul style="list-style-type: none"> <li>of the terminal</li> </ul>   | IP20, clamping screw tightened  |
| <b>degree of protection NEMA rating</b>   | 1, 2, 3, 3R, 4, 4X, 12, 13  |
| <b>shock resistance</b>   |   |
| <ul style="list-style-type: none"> <li>according to IEC 60068-2-27</li> </ul>   | sinusoidal half-wave 15g / 11 ms  |
| <b>vibration resistance</b>   |   |
| <ul style="list-style-type: none"> <li>according to IEC 60068-2-6</li> </ul>  | 10 ... 500 Hz: 5g   |
| <b>operating frequency maximum</b>  | 3 600 1/h   |
| mechanical service life (switching cycles) typical  | 3 000 000   |
| electrical endurance (switching cycles) typical   | 10 000 000  |
| <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>  |   |
| <ul style="list-style-type: none"> <li>at AC <ul style="list-style-type: none"> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> </ul> </li> <li>at DC rated value</li> </ul>  | 5 ... 500 V<br>5 ... 500 V<br>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  |
| <b>supply voltage of the light source at AC</b>   |   |
| <ul style="list-style-type: none"> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> </ul>  | 110 V<br>110 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>   | 1   |
| <b>number of NO contacts for auxiliary contacts</b>   | 1   |
| <b>Connections/ Terminals</b>   |   |
| <b>type of electrical connection</b>  | screw-type terminals  |
| <ul style="list-style-type: none"> <li>of modules and accessories</li> </ul>  | Screw-type terminal   |
| <b>type of connectable conductor cross-sections</b>   |   |
| <ul style="list-style-type: none"> <li>solid with core end processing</li> <li>solid without core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>at AWG cables</li> </ul> | 2x (0.5 ... 0.75 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (18 ... 14) |
| <b>tightening torque of the screws in the bracket</b>   | 1 ... 1.2 N·m   |
| tightening torque with screw-type terminals   | 0.8 ... 0.9 N·m   |
| <b>Lamp</b>   |   |
| <b>type of light source</b>   | LED   |
| <b>color of the light source</b>  | red   |
| <b>light intensity</b>  | 450 ... 1 120 mcd   |
| <b>Ambient conditions</b>   |   |
| <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 according to IEC 60721  | 3M6, 3S2, 3B2, 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  |
| <ul style="list-style-type: none"> <li>of modules and accessories</li> </ul>  | 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>                             | 11 mm   |
| <b>installation width</b>                          | 29.5 mm |
| <b>installation depth</b>                          | 71.7 mm |

#### Certificates/ approvals

#### 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=3SU1153-0AB20-1FA0-Z Y10>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1153-0AB20-1FA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1153-0AB20-1FA0-Z Y10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1153-0AB20-1FA0-Z Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1153-0AB20-1FA0-Z Y10&lang=en)

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