

Siemens  
EcoTech



Illuminated pushbutton, 22 mm, round, plastic, white, pushbutton, flat, momentary contact type, with holder, 1 NO, LED module with integrated LED 24 V AC/DC, Spring-type terminal

|                                                    |                                    |
|----------------------------------------------------|------------------------------------|
| product brand name                                 | SIRIUS ACT                         |
| product designation                                | Illuminated 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="#">3SU1400-1AA10-3BA0</a> |
| • of supplied LED module                           | <a href="#">3SU1401-1BB60-3AA0</a> |
| • of the supplied holder                           | <a href="#">3SU1550-0AA10-0AA0</a> |
| • of the supplied actuator                         | <a href="#">3SU1001-0AB60-0AA0</a> |
| number of command points                           | 1                                  |
| <b>Actuator</b>                                    |                                    |
| design of the actuating element                    | Button, flat                       |
| principle of operation of the actuating element    | momentary contact type             |
| product extension optional light source            | Yes                                |
| color of the actuating element                     | white                              |
| material of the actuating element                  | plastic                            |
| shape of the actuating element                     | round                              |
| outer diameter of the actuating element            | 29.45 mm                           |
| number of contact modules                          | 1                                  |
| <b>Front ring</b>                                  |                                    |
| product component front ring                       | Yes                                |
| design of the front ring                           | Standard                           |
| material of the front ring                         | plastic                            |
| color of the front ring                            | black                              |
| <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                  | No                                 |
| product component light source                     | Yes                                |
| insulation voltage rated value                     | 320 V                              |
| degree of pollution                                | 3                                  |
| type of voltage of the operating voltage           | AC/DC                              |
| surge voltage resistance rated value               | 4 kV                               |
| protection class IP                                | IP66, IP67, IP69(IP69K)            |
| protection class IP of the terminal                | IP20                               |
| degree of protection NEMA rating                   | 1, 2, 3, 3R, 4, 4X, 12, 13         |
| shock resistance                                   |                                    |
| • according to IEC 60068-2-27                      | sinusoidal half-wave 15 g / 11 ms  |
| • for railway applications according to EN 61373   | Category 1, Class B                |
| vibration resistance                               |                                    |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5 g                 |
| • for railway applications according to EN 61373   | Category 1, Class B                |
| operating frequency maximum                        | 3 600 1/h                          |
| mechanical service life (operating cycles) typical | 3 000 000                          |
| electrical endurance (operating cycles) typical    | 10 000 000                         |

|                                                                                                                                                                                                                                                                         |                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| thermal current                                                                                                                                                                                                                                                         | 10 A                                                                                                                              |
| reference code according to IEC 81346-2                                                                                                                                                                                                                                 | S                                                                                                                                 |
| continuous current of the C characteristic MCB                                                                                                                                                                                                                          | 10 A; for a short-circuit current smaller than 400 A                                                                              |
| continuous current of the quick DIAZED fuse link                                                                                                                                                                                                                        | 10 A                                                                                                                              |
| continuous current of the DIAZED fuse link gG                                                                                                                                                                                                                           | 10 A                                                                                                                              |
| Substance Prohibitance (day/month/year)                                                                                                                                                                                                                                 | 10/01/2014                                                                                                                        |
| SVHC substance name                                                                                                                                                                                                                                                     | Lead monoxide (lead oxide) CAS-No. 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5       |
| Net Weight                                                                                                                                                                                                                                                              | 53 g                                                                                                                              |
| operating voltage <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>                                                                                                                                                                                                                                                |                                                                                                                                   |
| contact reliability                                                                                                                                                                                                                                                     | 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                                                                                                                             |
| supply voltage of the light source at AC <ul style="list-style-type: none"> <li>• at 50 Hz rated value</li> <li>• at 60 Hz rated value</li> </ul>                                                                                                                       | 24 V<br>24 V                                                                                                                      |
| supply voltage 1 of the light source at DC rated value                                                                                                                                                                                                                  | 24 V                                                                                                                              |
| <b>Control circuit/ Control</b>                                                                                                                                                                                                                                         |                                                                                                                                   |
| inrush current of LED module maximum                                                                                                                                                                                                                                    | 2 A                                                                                                                               |
| <b>Auxiliary circuit</b>                                                                                                                                                                                                                                                |                                                                                                                                   |
| design of the contact of auxiliary contacts                                                                                                                                                                                                                             | Silver alloy                                                                                                                      |
| number of NC contacts for auxiliary contacts                                                                                                                                                                                                                            | 0                                                                                                                                 |
| number of NO contacts for auxiliary contacts                                                                                                                                                                                                                            | 1                                                                                                                                 |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                           |                                                                                                                                   |
| type of electrical connection <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                            | spring-loaded terminals<br>Spring-type terminal                                                                                   |
| type of connectable conductor cross-sections <ul style="list-style-type: none"> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• for AWG cables</li> </ul> | 2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (0.25 ... 0.75 mm <sup>2</sup> )<br>2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (24 ... 16) |
| tightening torque of the screws in the bracket                                                                                                                                                                                                                          | 1 ... 1.2 N·m                                                                                                                     |
| <b>Lamp</b>                                                                                                                                                                                                                                                             |                                                                                                                                   |
| type of light source                                                                                                                                                                                                                                                    | LED                                                                                                                               |
| color of the light source                                                                                                                                                                                                                                               | white                                                                                                                             |
| light intensity                                                                                                                                                                                                                                                         | 900 ... 1 400 mcd                                                                                                                 |
| <b>Safety related data</b>                                                                                                                                                                                                                                              |                                                                                                                                   |
| product function suitable for safety function                                                                                                                                                                                                                           | Yes                                                                                                                               |
| test wear-related service life necessary                                                                                                                                                                                                                                | Yes                                                                                                                               |
| proportion of dangerous failures <ul style="list-style-type: none"> <li>• with high demand rate per NO contact according to SN 31920</li> </ul>                                                                                                                         | 50 %                                                                                                                              |
| B10 value with high demand rate according to SN 31920                                                                                                                                                                                                                   | 3 000 000                                                                                                                         |
| <b>ISO 13849</b>                                                                                                                                                                                                                                                        |                                                                                                                                   |
| device type according to ISO 13849-1                                                                                                                                                                                                                                    | 3                                                                                                                                 |
| <b>IEC 61508</b>                                                                                                                                                                                                                                                        |                                                                                                                                   |
| safety device type according to IEC 61508-2                                                                                                                                                                                                                             | Type A                                                                                                                            |
| T1 value for proof test interval or service life according to IEC 61508                                                                                                                                                                                                 | 20 a                                                                                                                              |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                               |                                                                                                                                   |
| ambient temperature <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) |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

| Installation/ mounting/ dimensions                 |                      |
|----------------------------------------------------|----------------------|
| <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>                             | 11 mm                |
| <b>installation width</b>                          | 29.5 mm              |
| <b>installation depth</b>                          | 49.7 mm              |

| Approvals Certificates                                     |                                 |
|------------------------------------------------------------|---------------------------------|
| Environmental Product Declaration                          |                                 |
| • global warming potential [CO2 eq] / during manufacturing | 0.566 kg                        |
| • global warming potential [CO2 eq] / during operation     | 0.235 kg                        |
| • global warming potential [CO2 eq] / after end of life    | -0.0145 kg                      |
| • global warming potential [CO2 eq] / total                | 0.787 kg                        |
| <b>Environment</b>                                         | <b>General Product Approval</b> |

[Environmental Confirmations](#)



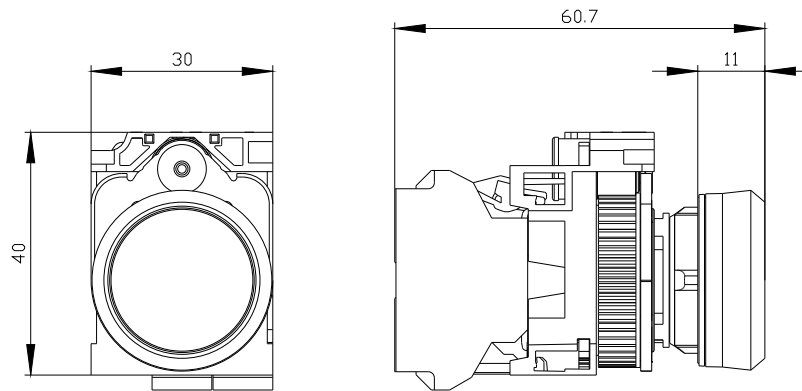
|                                 |                                                                                                |                             |
|---------------------------------|------------------------------------------------------------------------------------------------|-----------------------------|
| <b>General Product Approval</b> | <b>Test Certificates</b>                                                                       | <b>Maritime application</b> |
| EG-Konf.<br>                    | <a href="#">Type Test Certificates/Test Report</a><br><a href="#">Special Test Certificate</a> | <br>                        |
| <b>Maritime application</b>     | <b>other</b>                                                                                   |                             |



[Confirmation](#)



| Further information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Information on the packaging</b><br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a><br><b>Information for data generation and storage</b><br><a href="https://support.industry.siemens.com/cs/ww/en/view/109995012">https://support.industry.siemens.com/cs/ww/en/view/109995012</a><br><b>Information- and Downloadcenter (Catalogs, Brochures,...)</b><br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a><br><b>Industry Mall (Online ordering system)</b><br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1102-0AB60-3BA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1102-0AB60-3BA0</a><br><b>Cax online generator</b><br><a href="https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1102-0AB60-3BA0">https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1102-0AB60-3BA0</a><br><b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB60-3BA0">https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB60-3BA0</a><br><b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b><br><a href="https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-0AB60-3BA0&amp;lang=en">https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-0AB60-3BA0&amp;lang=en</a> |



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