



Illuminated pushbutton, 22 mm, round, plastic, white, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 110 V AC, screw 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="#">3SU1400-1AA10-1FA0</a> |
| • of supplied LED module                        | <a href="#">3SU1401-1BC60-1AA0</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               | Yes                                |
| 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                               |

|   |   |
|---|---|
| <b>protection class IP</b>                                | IP66, IP67, IP69(IP69K)   |
| protection class IP 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>                                   |   |
| • according to IEC 60068-2-27                             | sinusoidal half-wave 15g / 11 ms  |
| • for railway applications according to EN 61373          | Category 1, Class B   |
| <b>vibration resistance</b>                               |   |
| • according to IEC 60068-2-6                              | 10 ... 500 Hz: 5g   |
| • for railway applications according to EN 61373          | Category 1, Class B   |
| <b>operating frequency maximum</b>                        | 3 600 1/h   |
| <b>mechanical service life (operating cycles) typical</b> | 3 000 000   |
| electrical endurance (operating 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>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>   | 65 g  |
| <b>operating voltage</b>                                  |   |
| • at AC   |   |
| — at 50 Hz rated value                                    | 5 ... 500 V   |
| — at 60 Hz rated value                                    | 5 ... 500 V   |
| • <b>at DC rated value</b>                                | 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>           |   |
| • at 50 Hz rated value                                    | 110 V   |
| • at 60 Hz rated value                                    | 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 terminal  |
| • 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> )   |
| • for AWG cables  | 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>                          | white   |
| <b>light intensity</b>                                    | 900 ... 1 400 mcd   |
| <b>Safety related data</b>                                |   |
| product function suitable for safety function             | Yes   |
| <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 %      |
| • with high demand rate per NO contact according to SN 31920                        | 50 %      |
| <b>B10 value with high demand rate according to SN 31920</b>                        | 3 000 000 |
| <b>failure rate [FIT] with low demand rate per NC contact according to SN 31920</b> | 100 FIT   |
| ISO 13849   |           |
| <b>device type according to ISO 13849-1</b>   | 3         |
| IEC 61508   |           |
| <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      |

#### Ambient conditions

|                            |                |
|----------------------------|----------------|
| <b>ambient temperature</b> |                |
| • during operation         | -25 ... +70 °C |
| • during storage           | -40 ... +80 °C |

environmental category during operation according to IEC 60721

|  |                 |
|--|-----------------|
| <b>Environmental footprint</b>                         |                 |
| Environmental Product Declaration(EPD)                 | Yes             |
| global warming potential [CO2 eq] total                | 0.787 kg        |
| 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    | -0.015 kg       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

#### 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>                          | 71.7 mm              |

#### Approvals Certificates

|                          |                   |
|--------------------------|-------------------|
| General Product Approval | Test Certificates |
|--------------------------|-------------------|



[Type Test Certificates/Test Report](#)

|                   |                      |       |
|-------------------|----------------------|-------|
| Test Certificates | Maritime application | other |
|-------------------|----------------------|-------|

[Special Test Certificate](#)



LRS



PRIS



|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|

[Confirmation](#)



Siemens  
EcoTech



[Environmental Confirmations](#)

## 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=3SU1103-0AB60-1FA0>

Cax online generator

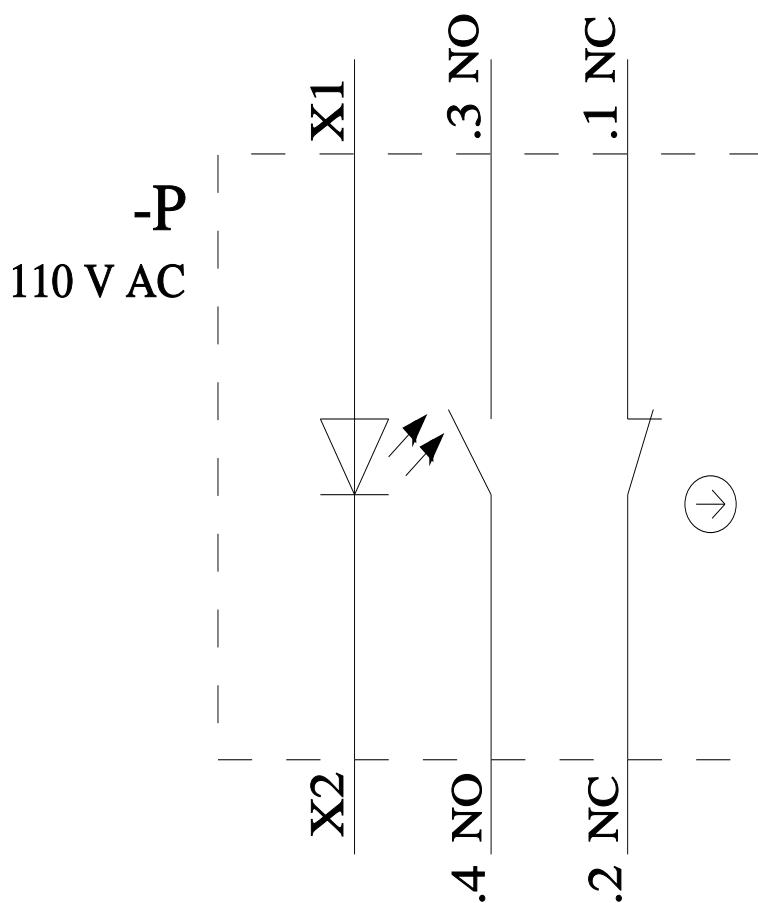
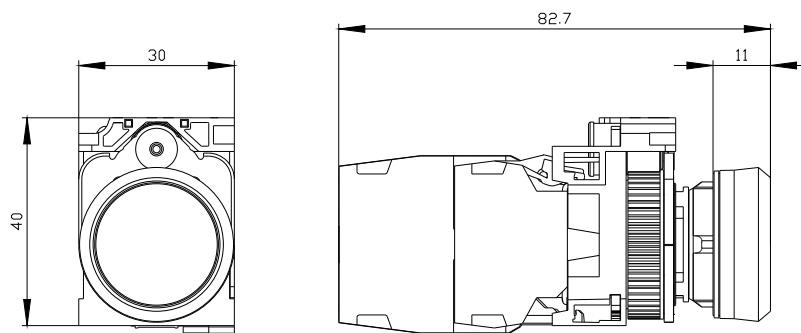
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1103-0AB60-1FA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1103-0AB60-1FA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1103-0AB60-1FA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1103-0AB60-1FA0&lang=en)



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