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|---|---|
| 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="#">3SU1400-1AA10-3FA0</a>  |
| • of supplied LED module                        | <a href="#">3SU1401-1BF40-3AA0</a>  |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>  |
| • of the supplied actuator                      | <a href="#">3SU1001-0AB40-0AA0</a>  |
| number of command points                        | 1   |
| Actuator  |   |
| 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                  | green   |
| material of the actuating element               | plastic   |
| shape of the actuating element                  | round   |
| outer diameter of the actuating element         | 29.45 mm  |
| marking of the actuating element                | Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| number of contact modules                       | 1   |
| Front ring                                      |   |
| product component front ring                    | Yes   |
| design of the front ring                        | Standard  |
| material of the front ring                      | plastic   |
| color of the front ring                         | black   |
| Holder  |   |
| material of the holder                          | Plastic   |
| Display   |   |
| number of LED modules                           | 1   |
| General technical data                          |   |
| 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   |




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|---|--|
| <b>surge voltage resistance rated value</b>   | 4 kV   |
| <b>protection class IP</b><br>• of the terminal   | IP66, IP67, IP69(IP69K)<br>IP20  |
| <b>degree of protection NEMA rating</b>   | 1, 2, 3, 3R, 4, 4X, 12, 13   |
| <b>shock resistance</b><br>• according to IEC 60068-2-27<br>• for railway applications according to EN 61373  | sinusoidal half-wave 15g / 11 ms<br>Category 1, Class B  |
| <b>vibration resistance</b><br>• according to IEC 60068-2-6<br>• for railway applications according to EN 61373   | 10 ... 500 Hz: 5g<br>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>operating voltage</b><br>• at AC<br>— at 50 Hz rated value<br>— at 60 Hz rated value<br>• at DC rated value  | 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><br>• at 50 Hz rated value<br>• at 60 Hz rated value   | 230 V<br>230 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><br>• of modules and accessories  | spring-loaded terminals<br>Spring-type terminal  |
| <b>type of connectable conductor cross-sections</b><br>• solid without core end processing<br>• finely stranded with core end processing<br>• finely stranded without core end processing<br>• for AWG cables | 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)        |
| <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>  | green  |
| <b>light intensity</b>  | 900 ... 1 800 mcd  |
| <b>Ambient conditions</b>   |  |
| <b>ambient temperature</b><br>• during operation<br>• during storage  | -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>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

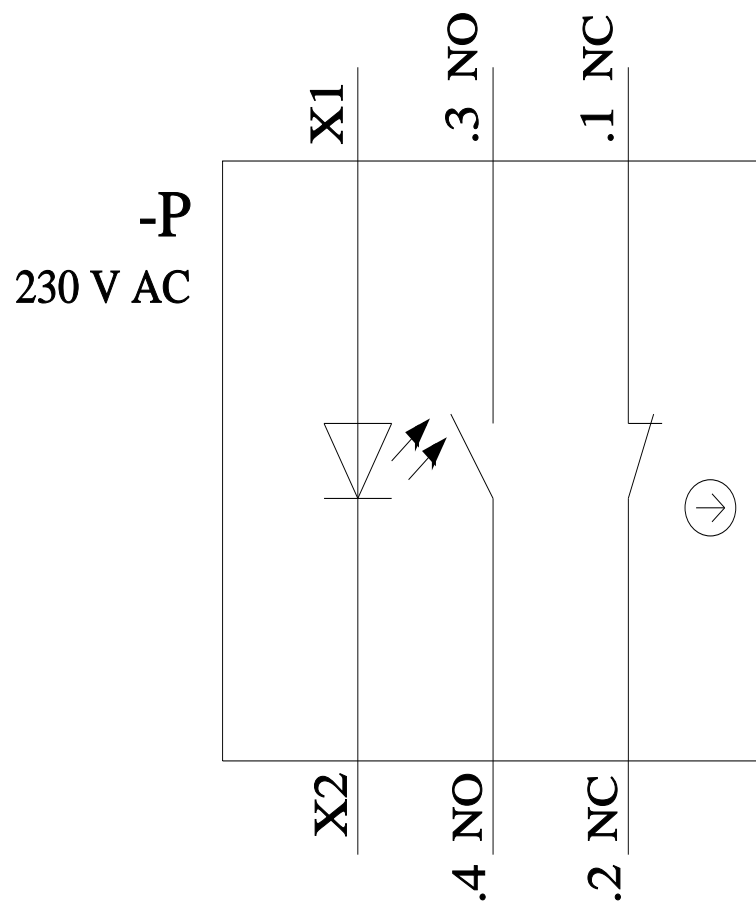
| General Product Approval   | Test Certificates   |
|--|---|
|  <a href="#">Confirmation</a>   | <a href="#">Type Test Certificates/Test Report</a> <a href="#">Special Test Certificate</a> |

| Marine / Shipping   | other                        | Environment  |
|---|------------------------------|--|
|     | <a href="#">Confirmation</a> |  |

| Environment   |
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#### Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
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=3SU1106-0AB40-3FA0-Z Y19>  
Cax online generator  
<http://support.automation.siemens.com/VW/CAXorder/default.aspx?lang=en&mlfb=3SU1106-0AB40-3FA0-Z Y19>  
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1106-0AB40-3FA0-Z Y19>  
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1106-0AB40-3FA0-Z Y19&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1106-0AB40-3FA0-Z Y19&lang=en)



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