

Siemens  
EcoTech



Pushbutton, 22 mm, round, metal, shiny, green, pushbutton, flat, momentary contact type, 1 NO+1 NC, Spring-type terminal



|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| product brand name                              | SIRIUS ACT                         |
| product designation                             | Pushbuttons                        |
| design of the product                           | Complete unit                      |
| product type designation                        | 3SU1                               |
| product line                                    | Metal, shiny, 22 mm                |
| manufacturer's article number                   |                                    |
| • of supplied contact module at position 1      | <a href="#">3SU1400-1AA10-3FA0</a> |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a> |
| • of the supplied actuator                      | <a href="#">3SU1050-0AB40-0AA0</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         | No                                 |
| 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                           |
| 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                      | Metal, high gloss                  |
| color of the front ring                         | silver                             |
| <b>Holder</b>                                   |                                    |
| material of the holder                          | Plastic                            |
| <b>Display</b>                                  |                                    |
| number of LED modules                           | 0                                  |
| <b>General technical data</b>                   |                                    |
| product function positive opening               | Yes                                |
| product component light source                  | No                                 |
| insulation voltage rated value                  | 500 V                              |
| degree of pollution                             | 3                                  |
| type of voltage of the operating voltage        | AC/DC                              |
| surge voltage resistance rated value            | 6 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                                                          |
| vibration resistance                                                         |                                                                                            |
| • according to IEC 60068-2-6                                                 | 10 ... 500 Hz: 5 g                                                                         |
| operating frequency maximum                                                  | 3 600 1/h                                                                                  |
| mechanical service life (operating cycles) typical                           | 10 000 000                                                                                 |
| 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                                                                                 |
| Net Weight                                                                   | 98 g                                                                                       |
| operating voltage                                                            |                                                                                            |
| • at AC                                                                      |                                                                                            |
| — at 50 Hz rated value                                                       | 5 ... 500 V                                                                                |
| — at 60 Hz rated value                                                       | 5 ... 500 V                                                                                |
| • at DC rated value                                                          | 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>Auxiliary circuit</b>                                                     |                                                                                            |
| design of the contact of auxiliary contacts                                  | Silver alloy                                                                               |
| number of NC contacts for auxiliary contacts                                 | 1                                                                                          |
| number of NO contacts for auxiliary contacts                                 | 1                                                                                          |
| <b>Connections/ Terminals</b>                                                |                                                                                            |
| type of electrical connection                                                | spring-loaded terminals                                                                    |
| • of modules and accessories                                                 | Spring-type terminal                                                                       |
| type of connectable conductor cross-sections                                 |                                                                                            |
| • solid without core end processing                                          | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                         |
| • finely stranded with core end processing                                   | 2x (0.25 ... 0.75 mm <sup>2</sup> )                                                        |
| • finely stranded without core end processing                                | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                         |
| • for AWG cables                                                             | 2x (24 ... 16)                                                                             |
| tightening torque of the screws in the bracket                               | 1 ... 1.2 N·m                                                                              |
| <b>Safety related data</b>                                                   |                                                                                            |
| product function suitable for safety function                                | Yes                                                                                        |
| test wear-related service life necessary                                     | Yes                                                                                        |
| proportion of dangerous failures                                             |                                                                                            |
| • 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 %                                                                                       |
| B10 value with high demand rate according to SN 31920                        | 10 000 000                                                                                 |
| failure rate [FIT] with low demand rate per NC contact according to SN 31920 | 100 FIT                                                                                    |
| ISO 13849                                                                    |                                                                                            |
| device type according to ISO 13849-1                                         | 3                                                                                          |
| IEC 61508                                                                    |                                                                                            |
| 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                                                          |                                                                                            |
| • during operation                                                           | -25 ... +70 °C                                                                             |
| • during storage                                                             | -40 ... +80 °C                                                                             |
| environmental category during operation according to IEC                     | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no                      |

|                                                    |                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------|
| 60721                                              | condensation in operation permitted for all devices behind front panel) |
| <b>Installation/ mounting/ dimensions</b>          |                                                                         |
| <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                                                                 |

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| <b>Environmental footprint</b>                         |                 |
| Environmental Product Declaration(EPD)                 | Yes             |
| global warming potential [CO2 eq] total                | 0.593 kg        |
| global warming potential [CO2 eq] during manufacturing | 0.625 kg        |
| global warming potential [CO2 eq] during operation     | 0.235 kg        |
| global warming potential [CO2 eq] after end of life    | -0.267 kg       |
| Siemens eco profile (SEP)                              | Siemens EcoTech |

|                                                            |                                 |
|------------------------------------------------------------|---------------------------------|
| <b>Approvals Certificates</b>                              |                                 |
| Environmental Product Declaration                          |                                 |
| • global warming potential [CO2 eq] / during manufacturing | 0.625 kg                        |
| • global warming potential [CO2 eq] / during operation     | 0.235 kg                        |
| • global warming potential [CO2 eq] / after end of life    | -0.267 kg                       |
| • global warming potential [CO2 eq] / total                | 0.593 kg                        |
| <b>Environment</b>                                         | <b>General Product Approval</b> |

[Environmental Confirmations](#)



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



[Confirmation](#)



#### 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=3SU1150-0AB40-3FA0>

##### Cax online generator

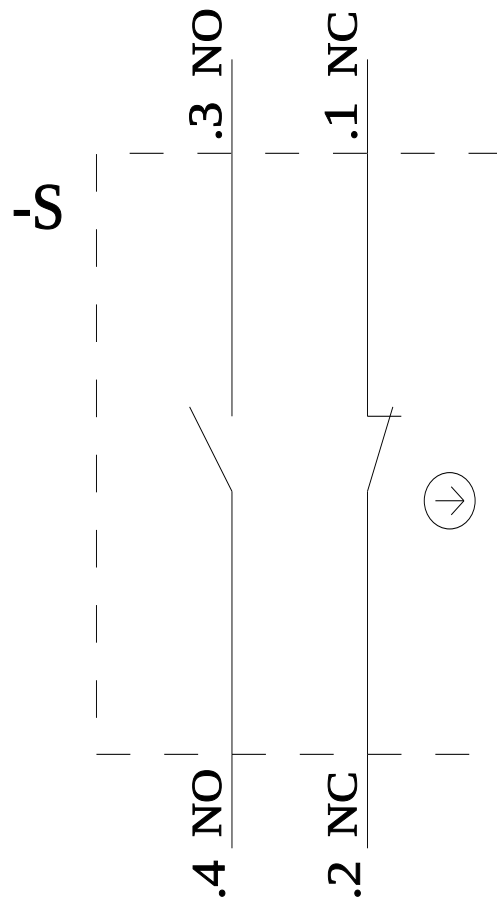
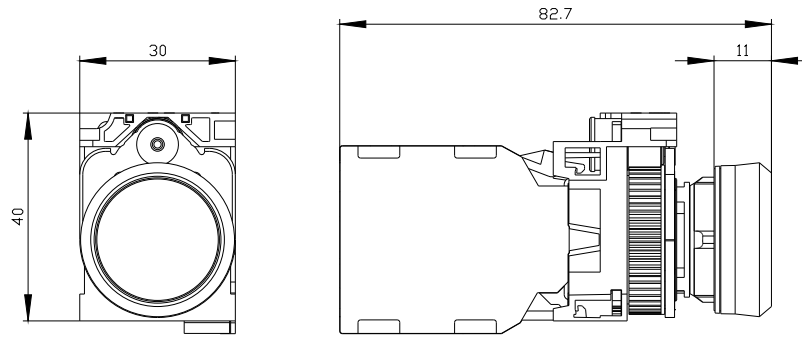
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-0AB40-3FA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-0AB40-3FA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1150-0AB40-3FA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-0AB40-3FA0&lang=en)



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