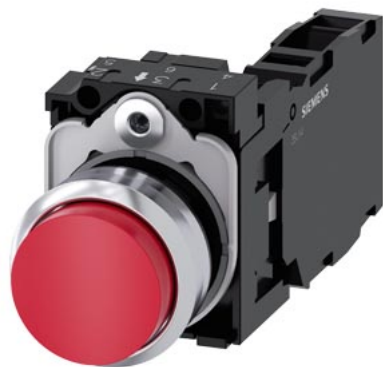


Siemens  
EcoTech



Pushbutton, 22 mm, round, metal, shiny, red, pushbutton, raised, momentary contact type, with holder, 1 NO+1 NC, screw terminal, with laser labeling, lower case



|                                                 |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| 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="#">3SU1400-1AA10-1FA0</a>              |
| • of the supplied holder                        | <a href="#">3SU1550-0AA10-0AA0</a>              |
| • of the supplied actuator                      | <a href="#">3SU1050-0BB20-0AA0</a>              |
| number of command points                        | 1                                               |
| Actuator                                        |                                                 |
| design of the actuating element                 | Button, raised                                  |
| principle of operation of the actuating element | momentary contact type                          |
| product extension optional light source         | No                                              |
| color of the actuating element                  | red                                             |
| 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 in lower case letters |
| number of contact modules                       | 1                                               |
| Front ring                                      |                                                 |
| 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                                          |
| Holder                                          |                                                 |
| material of the holder                          | Plastic                                         |
| Display                                         |                                                 |
| number of LED modules                           | 0                                               |
| General technical data                          |                                                 |
| 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, clamping screw tightened                                                                                                                |
| degree of protection NEMA rating                                   | 1, 2, 3, 3R, 4, 4X, 12, 13                                                                                                                    |
| shock resistance                                                   |                                                                                                                                               |
| • according to IEC 60068-2-27                                      | sinusoidal half-wave 15g / 11 ms                                                                                                              |
| vibration resistance                                               |                                                                                                                                               |
| • according to IEC 60068-2-6                                       | 10 ... 500 Hz: 5g                                                                                                                             |
| 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 (Date)                                      | 10/01/2014                                                                                                                                    |
| Weight                                                             | 0.075 kg                                                                                                                                      |
| 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                                      | screw terminal                                                                                                                                |
| • of modules and accessories                                       | Screw-type terminal                                                                                                                           |
| type of connectable conductor cross-sections                       |                                                                                                                                               |
| • 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)                                                                                                                                |
| tightening torque of the screws in the bracket                     | 1 ... 1.2 N·m                                                                                                                                 |
| tightening torque with screw-type terminals                        | 0.8 ... 0.9 N·m                                                                                                                               |
| <b>Ambient conditions</b>                                          |                                                                                                                                               |
| ambient temperature                                                |                                                                                                                                               |
| • during operation                                                 | -25 ... +70 °C                                                                                                                                |
| • during storage                                                   | -40 ... +80 °C                                                                                                                                |
| environmental category during operation according to IEC 60721     | 3M6, 3S2, 3B2, 3C3, 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 [CO <sub>2</sub> eq] total                | 0.593 kg                                                                                                                                      |
| Global Warming Potential [CO <sub>2</sub> eq] during manufacturing | 0.625 kg                                                                                                                                      |
| Global Warming Potential [CO <sub>2</sub> eq] during operation     | 0.235 kg                                                                                                                                      |
| Global Warming Potential [CO <sub>2</sub> eq] after end of life    | -0.267 kg                                                                                                                                     |
| Siemens Eco Profile (SEP)                                          | Siemens EcoTech                                                                                                                               |
| <b>Installation/ mounting/ dimensions</b>                          |                                                                                                                                               |
| fastening method                                                   | front plate mounting                                                                                                                          |
| • of modules and accessories                                       | Front plate mounting                                                                                                                          |
| height                                                             | 40 mm                                                                                                                                         |
| width                                                              | 30 mm                                                                                                                                         |
| shape of the installation opening                                  | round                                                                                                                                         |
| mounting diameter                                                  | 22.3 mm                                                                                                                                       |
| positive tolerance of installation diameter                        | 0.4 mm                                                                                                                                        |
| mounting height                                                    | 16.2 mm                                                                                                                                       |

|                    |         |
|--------------------|---------|
| installation width | 29.5 mm |
| installation depth | 71.7 mm |

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



CE

EG-Konf.



UKCA

[Confirmation](#)



c

UL

US



EAC

[Type Test Certificates/Test Report](#)

| Test Certificates                        | other                        | Environment                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">Special Test Certificate</a> | <a href="#">Confirmation</a> |  <div> EPD </div>  <div> Siemens<br/>EcoTech </div>  <div> Environmental Confirmations </div> |

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=3SU1150-0BB20-1FA0-Z Y12>

Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-0BB20-1FA0-Z Y12>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-0BB20-1FA0-Z Y12>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1150-0BB20-1FA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1150-0BB20-1FA0-Z Y12&lang=en)

