## **SIEMENS**

## **Data sheet**



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, red, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, spring-type terminal, with laser labeling, upper case and lower case, Always upper case at the beginning of the word

| product brand name   | SIRIUS ACT  |
|--|---|
| product designation  | Illuminated pushbuttons   |
| design of the product  | Complete unit   |
| product type designation                                     | 3SU1  |
| product line   | Plastic with metal front ring, matt, 22 mm  |
| manufacturer's article number                                |   |
| <ul> <li>of supplied contact module at position 1</li> </ul> | 3SU1400-1AA10-3FA0  |
| <ul> <li>of supplied LED module</li> </ul>                   | 3SU1401-1BB20-3AA0  |
| <ul> <li>of the supplied holder</li> </ul>                   | 3SU1550-0AA10-0AA0  |
| of the supplied actuator                                     | 3SU1031-0AB20-0AA0  |
| 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                               | 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 / capital letters, all words start with capital 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, matt   |
| color of the front ring                                      | sand gray   |
| 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   |
| surge voltage resistance rated value                         | 4 kV  |
| protection class IP  | IP66, IP67, IP69(IP69K)   |
| • 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 15g / 11 ms   |
| <ul> <li>for railway applications according to EN 61373</li> </ul>  | Category 1, Class B  |
| vibration resistance  |  |
| <ul> <li>according to IEC 60068-2-6</li> </ul>  | 10 500 Hz: 5g  |
| <ul> <li>for railway applications according to EN 61373</li> </ul>  | 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 guick DIAZED fuse link  | 10 A   |
| continuous current of the DIAZED fuse link gG   | 10 A   |
|   | 10/01/2014   |
| Substance Prohibitance (Date)   | 10/01/2014   |
| 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  |
| Power Electronics   |  |
| contact reliability   | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)   |
| Supply voltage  |  |
| type of voltage of the supply voltage of the light source   | AC/DC  |
| supply voltage of the light source at AC  |  |
| at 50 Hz rated value  | 24 V   |
| • at 60 Hz rated value  | 24 V   |
| supply voltage 1 of the light source at DC rated value  | 24 V   |
| Control circuit/ Control  |  |
| inrush current of LED module maximum  | 2 A  |
| Auxiliary circuit   |  |
| design of the contact of auxiliary contacts   | Silver alloy   |
|   | Silver alloy   |
| number of NC contacts for auxiliary contacts  | 1  |
| number of NO contacts for auxiliary contacts  | 1  |
| Connections/ Terminals  |  |
| type of electrical connection   | spring-loaded terminals  |
| of modules and accessories  | Spring-type terminal   |
| type of connectable conductor cross-sections  |  |
| <ul> <li>solid without core end processing</li> </ul>   | 2x (0.25 1.5 mm²)  |
| <ul> <li>finely stranded with core end processing</li> </ul>  | 2x (0.25 0.75 mm²)   |
| <ul> <li>finely stranded without core end processing</li> </ul>   | 2x (0.25 1.5 mm²)  |
| • for AWG cables  | 2x (24 16)   |
| tightening torque of the screws in the bracket  | 1 1.2 N·m  |
| Lamp  |  |
| type of light source  | LED  |
| <del>-</del>  | LED  |
|   | red  |
| color of the light source   |  |
| color of the light source<br>light intensity  | red  |
| color of the light source light intensity Ambient conditions  | red  |
| color of the light source light intensity Ambient conditions ambient temperature  | red<br>450 1 120 mcd   |
| color of the light source light intensity  Ambient conditions ambient temperature  • during operation   | red<br>450 1 120 mcd<br>-25 +70 °C   |
| color of the light source light intensity  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC  | red 450 1 120 mcd  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in   |
| color of the light source light intensity  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  | red<br>450 1 120 mcd<br>-25 +70 °C<br>-40 +80 °C   |
| color of the light source light intensity  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions   | red 450 1 120 mcd  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)   |
| color of the light source light intensity  Ambient conditions  ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  | red 450 1 120 mcd  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in   |
| color of the light source light intensity  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions   | red 450 1 120 mcd  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)   |
| color of the light source light intensity  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method                                   | red 450 1 120 mcd  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting   |
| color of the light source light intensity  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method  • of modules and accessories     | red 450 1 120 mcd  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting                            |
| color of the light source light intensity  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions fastening method • of modules and accessories height | red 450 1 120 mcd  -25 +70 °C -40 +80 °C  3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  front plate mounting Front plate mounting Front plate mounting 40 mm |

| mounting diameter                           | 22.3 mm |
|---|---------|
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 11 mm   |
| installation width                          | 29.5 mm |
| installation depth                          | 71.7 mm |
| Certificates/ approvals                     |         |

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1132-0AB20-3FA0-Z Y15

Cax online generator

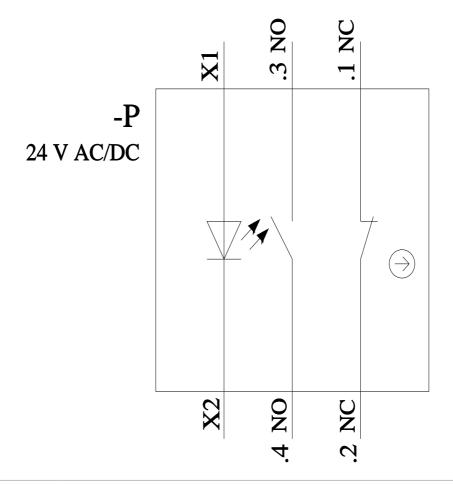
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1132-0AB20-3FA0-Z Y15

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1132-0AB20-3FA0-Z Y15

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1132-0AB20-3FA0-Z Y15&lang=en



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