SIEMENS

Data sheet



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, blue, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 230 V AC, screw terminal, Z=20-unit packaging

| product designation design of the product product type designation product line product line manufacturer's article number • of supplied contact module at position 1 • of supplied LED module • of the supplied holder • of the supplied actuator number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element plastic shape of the actuating element pastic shape of the actuating element public shape of the actuating element product extension optional element principle of operation of the actuating element product extension optional light source ves color of the actuating element plastic shape of the actuating element shape of the actuating element outer diameter of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring design of the front ring Metal, matt color of the front ring Alexandre material of the holder Plastic Plastic | product brand name | SIRIUS ACT |
|--|--|--|
| product type designation product line manufacturer's article number • of supplied contact module at position 1 • of supplied LED module • of the supplied LED module • of the supplied holder • of the supplied actuator number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element product extension optional rement shape of the actuating element outer diameter of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring plastic sand gray Holder material of the holder | product designation | Illuminated pushbuttons |
| product line Plastic with metal front ring, matt, 22 mm manufacturer's article number • of supplied contact module at position 1 • of supplied LED module 3SU1400-1AA10-1FA0 • of the supplied Actuator 3SU1550-0AA10-0AA0 • of the supplied actuator 3SU1031-0AB50-0AA0 number of command points 1 Actuator design of the actuating element momentary contact type product extension optional light source Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element actuating element plastic shape of the actuating element actuating element actuating element actuating element actuating element product extension optional light source Yes plastic shape of the actuating element plastic shape of the actuating element a | design of the product | Complete unit |
| manufacturer's article number of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied actuator asul1550-0AA10-0AA0 of the supplied actuator number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element paterial of the actuating element puter diameter of the actuating element outer diameter of the actuating element product component front ring design of the front ring material of the front ring Metal, matt color of the front ring Holder material of the holder Plastic | product type designation | 3SU1 |
| of supplied contact module at position 1 of supplied LED module of the supplied holder of the supplied actuator of the supplied actuator assured command points Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element phase of the actuating element shape of the actuating element outer diameter of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring Plastic Plastic Plastic Plastic | product line | Plastic with metal front ring, matt, 22 mm |
| of supplied LED module of the supplied holder of the supplied actuator of the supplied actuator of the supplied actuator of the supplied actuator of the supplied actuator of the supplied actuator of the supplied actuator outer of command points Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional light source | manufacturer's article number | |
| of the supplied holder of the supplied actuator number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the holder Plastic Plastic Plastic Plastic | of supplied contact module at position 1 | 3SU1400-1AA10-1FA0 |
| of the supplied actuator number of command points Actuator design of the actuating element | of supplied LED module | 3SU1401-1BF50-1AA0 |
| number of command points 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 blue material of the actuating element round outer diameter of the actuating element 38 mm number of contact modules 1 Front ring product component front ring Yes design of the front ring Standard material of the front ring sand gray Holder material of the holder Plastic | of the supplied holder | 3SU1550-0AA10-0AA0 |
| Actuator design of the actuating element | of the supplied actuator | 3SU1031-0AB50-0AA0 |
| design of the actuating element principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the holder Button, flat momentary contact type Yes blue plastic shape of the actuating element round outer diameter of the actuating element 38 mm 1 Front ring product component front ring Metal, matt color of the front ring Plastic | number of command points | 1 |
| principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring color of the front ring Holder material of the holder material of the holder material of the holder material of the holder material of the holder material of the holder material of the holder | Actuator | |
| product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring Color of the front ring Metal, matt color of the holder Plastic | design of the actuating element | Button, flat |
| color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring Color of the front ring Holder material of the holder Plastic | principle of operation of the actuating element | momentary contact type |
| material of the actuating element shape of the actuating element outer diameter of the actuating element number of contact modules Front ring product component front ring design of the front ring material of the front ring Color of the front ring Metal, matt color of the front ring Holder material of the holder Plastic | product extension optional light source | Yes |
| shape of the actuating element outer diameter of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring Color of the front ring material of the holder Standard Plastic | color of the actuating element | blue |
| outer diameter of the actuating element number of contact modules 1 Front ring product component front ring design of the front ring material of the front ring Color of the front ring Metal, matt color of the front ring Holder material of the holder Plastic | material of the actuating element | plastic |
| number of contact modules Front ring product component front ring design of the front ring material of the front ring Color of the front ring Metal, matt sand gray Holder material of the holder Plastic | shape of the actuating element | round |
| Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring material of the holder Standard Metal, matt sand gray Holder Plastic | outer diameter of the actuating element | 38 mm |
| product component front ring design of the front ring material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic | number of contact modules | 1 |
| design of the front ring material of the front ring Metal, matt color of the front ring Holder material of the holder Plastic | Front ring | |
| material of the front ring Metal, matt color of the front ring Holder material of the holder Plastic | product component front ring | Yes |
| color of the front ring sand gray Holder material of the holder Plastic | design of the front ring | Standard |
| Holder material of the holder Plastic | material of the front ring | Metal, matt |
| material of the holder Plastic | color of the front ring | sand gray |
| | Holder | |
| Display | material of the holder | Plastic |
| | Display | |
| number of LED modules 1 | number of LED modules | 1 |
| General technical data | General technical data | |
| product function positive opening Yes | product function positive opening | Yes |
| product component light source Yes | product component light source | Yes |
| insulation voltage rated value 320 V | insulation voltage rated value | 320 V |
| degree of pollution 3 | degree of pollution | 3 |
| type of voltage of the operating voltage AC/DC | type of voltage of the operating voltage | AC/DC |
| surge voltage resistance rated value 4 kV | surge voltage resistance rated value | 4 kV |
| protection class IP IP66, IP67, IP69(IP69K) | protection class IP | IP66, IP67, IP69(IP69K) |
| • of the terminal IP20, clamping screw tightened | of the terminal | IP20, clamping screw tightened |
| degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 | degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 |

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|--|--|
| shock resistance | |
| according to IEC 60068-2-27 | sinusoidal half-wave 15g / 11 ms |
| for railway applications according to EN 61373 | Category 1, Class B |
| vibration resistance | |
| according to IEC 60068-2-6 | 10 500 Hz: 5g |
| for railway applications according to EN 61373 | Category 1, Class B |
| operating frequency maximum | 3 600 1/h |
| mechanical service life (switching cycles) typical | 3 000 000 |
| electrical endurance (switching 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 |
| 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 | 10 |
| type of voltage of the supply voltage of the light source | AC |
| supply voltage of the light source at AC | 000.14 |
| • at 50 Hz rated value | 230 V |
| at 60 Hz rated value | 230 V |
| Control circuit/ Control | |
| inrush current of LED module maximum | 3 A |
| Auxiliary circuit | |
| 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 |
| · · · · · · · · · · · · · · · · · · · | |
| number of NO contacts for auxiliary contacts | |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories | 1 |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections | 1 screw-type terminals Screw-type terminal |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing | screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing | screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections solid with core end processing of solid without core end processing of finely stranded with core end processing | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 1 1.2 N·m 0.8 0.9 N·m |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N⋅m 0.8 0.9 N⋅m |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 mcd |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 mcd |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 mcd |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 mcd |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | 1 screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 mcd -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 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) |
| number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection | screw-type terminals Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m LED blue 280 710 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 |

| width | 30 mm |
|---|---------|
| shape of the installation opening | round |
| 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 | |

Further information

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=3SU1136-0AB50-1FA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1136-0AB50-1FA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1136-0AB50-1FA0-Z X90

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1136-0AB50-1FA0-Z X90&lang=en