



Illuminated pushbutton, 22 mm, round, plastic, blue, pushbutton, flat, momentary contact type, with holder, 1 NO+1 NC, LED module with integrated LED 24 V AC/DC, Spring-type terminal

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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 | |
| <ul style="list-style-type: none"> • of supplied contact module at position 1 • of supplied LED module • of the supplied holder • of the supplied actuator | 3SU1400-1AA10-3FA0 3SU1401-1BB50-3AA0 3SU1550-0AA10-0AA0 3SU1001-0AB50-0AA0 |
| 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 | blue |
| 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 |
| 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 |
| surge voltage resistance rated value | 4 kV |
| protection class IP | IP66, IP67, IP69(IP69K) |
| <ul style="list-style-type: none"> • of the terminal | IP20 |
| degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 |
| shock resistance | |

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| <ul style="list-style-type: none"> ● according to IEC 60068-2-27 ● for railway applications according to EN 61373 | sinusoidal half-wave 15g / 11 ms Category 1, Class B |
| vibration resistance | |
| <ul style="list-style-type: none"> ● according to IEC 60068-2-6 ● for railway applications according to EN 61373 | 10 ... 500 Hz: 5g 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 quick DIAZED fuse link | 10 A |
| continuous current of the DIAZED fuse link gG | 10 A |
| Substance Prohibitance (Date) | 10/01/2014 |
| SVHC substance name | Bleimonoxyd (Bleioxyd) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 |
| operating voltage | |
| <ul style="list-style-type: none"> ● at AC <ul style="list-style-type: none"> — at 50 Hz rated value — at 60 Hz rated value ● at DC rated value | 5 ... 500 V 5 ... 500 V 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 | |
| <ul style="list-style-type: none"> ● at 50 Hz rated value ● at 60 Hz rated value | 24 V 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 |
| 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 |
| <ul style="list-style-type: none"> ● of modules and accessories | Spring-type terminal |
| type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> ● solid without core end processing ● finely stranded with core end processing ● finely stranded without core end processing ● for AWG cables | 2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 0.75 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (24 ... 16) |
| tightening torque of the screws in the bracket | 1 ... 1.2 N·m |
| Lamp | |
| type of light source | LED |
| color of the light source | blue |
| light intensity | 280 ... 710 mcd |
| Ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> ● during operation ● during storage | -25 ... +70 °C -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) |
| Environmental footprint | |
| Environmental Product Declaration (EPD) | Yes |
| Global Warming Potential [CO ₂ eq] total | 0.787 kg |
| Global Warming Potential [CO ₂ eq] during manufacturing | 0.566 kg |
| Global Warming Potential [CO ₂ eq] during operation | 0.235 kg |
| Global Warming Potential [CO ₂ eq] after end of life | -0.015 kg |

| Installation/ mounting/ dimensions | |
|--|----------------------|
| 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 | 11 mm |
| installation width | 29.5 mm |
| installation depth | 71.7 mm |

Approvals Certificates

General Product Approval



[Confirmation](#)



EG-Konf.



CCC



UL

| General Product Approval | Test Certificates | Marine / Shipping |
|--------------------------|-------------------|-------------------|
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



ABS



LRS



PRS

| Marine / Shipping | other | Environment |
|-------------------|-------|-------------|
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[Confirmation](#)

[EPD Typ II/III \(with life cycle assessment\)](#)

Further information

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=3SU1102-0AB50-3FA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB50-3FA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB50-3FA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-0AB50-3FA0&lang=en



