

Siemens
EcoTech



Illuminated pushbutton, 22 mm, round, plastic, blue, pushbutton, flat, momentary contact type, with holder, 1 NO, LED module with integrated LED 24 V AC/DC, screw 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 | |
| • of supplied contact module at position 1 | 3SU1400-1AA10-1BA0 |
| • of supplied LED module | 3SU1401-1BB50-1AA0 |
| • of the supplied holder | 3SU1550-0AA10-0AA0 |
| • of the supplied actuator | 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 | No |
| 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 |

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| <ul style="list-style-type: none"> ● protection class IP ● protection class IP of the terminal | IP66, IP67, IP69(IP69K) IP20 |
| degree of protection NEMA rating | 1, 2, 3, 3R, 4, 4X, 12, 13 |
| shock resistance | |
| <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 | Bleimonoxid (Bleioxid) - 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

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| contact reliability | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |
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Supply voltage

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|----------------------------------------------------------------------------------------------------------|--------------|
| 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

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| inrush current of LED module maximum | 2 A |
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Auxiliary circuit

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| design of the contact of auxiliary contacts | Silver alloy |
| number of NC contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts | 1 |

Connections/ Terminals

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> ● type of electrical connection ● type of electrical connection of modules and accessories | screw-type terminals Screw-type terminal |
| type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> ● solid with core end processing ● solid without core end processing ● finely stranded with core end processing ● finely stranded without core end processing ● for AWG cables | 2x (0.5 ... 0.75 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (0.5 ... 1.5 mm ²) 2x (1,0 ... 1,5 mm ²) 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 |

Lamp

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|----------------------------------|-----------------|
| type of light source | LED |
| color of the light source | blue |
| light intensity | 280 ... 710 mcd |

Ambient conditions

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|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 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 | 3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95%, no condensation in |

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| 60721 | operation permitted for all devices behind front panel) |
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Environmental footprint

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| Environmental Product Declaration(EPD) | Yes |
| Global Warming Potential [CO2 eq] total | 0.787 kg |
| Global Warming Potential [CO2 eq] during manufacturing | 0.566 kg |
| Global Warming Potential [CO2 eq] during operation | 0.235 kg |
| Global Warming Potential [CO2 eq] after end of life | -0.015 kg |
| Siemens Eco Profile (SEP) | Siemens EcoTech |

Installation/ mounting/ dimensions

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|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <ul style="list-style-type: none"> fastening method fastening method of modules and accessories | <p>front plate mounting</p> <p>Front plate mounting</p> |
| 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 | 49.7 mm |

Approvals Certificates

General Product Approval



[Confirmation](#)



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|--------------------------|-------------------|-------------------|
| General Product Approval | Test Certificates | Marine / Shipping |
|--------------------------|-------------------|-------------------|



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



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|-------------------|-------|-------------|
| Marine / Shipping | other | Environment |
|-------------------|-------|-------------|



[Confirmation](#)



Siemens EcoTech



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=3SU1102-0AB50-1BA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1102-0AB50-1BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1102-0AB50-1BA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1102-0AB50-1BA0&lang=en



