

EM. STOP MUSHROOM PUSHBUTTON, 22MM, ROUND, PLASTIC, RED, 40MM, LATCHING, POSITIVE LATCHING, ROTATE TO UNLATCH, WITH YELLOW BACKING PLATE, INSCRIPTION: EMERGENCY STOP, WITH HOLDER, 1NC, SCREW TERMINAL

| | |
|---|--|
| product brand name | SIRIUS ACT |
| Product designation | Commanding and signaling devices |
| Design of the product | EMERGENCY STOP mushroom pushbutton |
| Manufacturer's article number | |
| <ul style="list-style-type: none"> • of supplied contact module • of the supplied holder • of the supplied actuator • of supplied accessory | 3SU1400-1AA10-1CA0 3SU1500-0AA10-0AA0 3SU1000-1HB20-0AA0 3SU1900-0BC31-0DA0 |

Enclosure:

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|---------------------------------|---|
| Number of command points | 1 |
|---------------------------------|---|

Actuator:

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|--|--|
| Design of the operating mechanism | EMERGENCY STOP mushroom pushbutton; tamper-proof |
| Manner of function of the actuating element | Latching |
| Product extension optional Light source | No |
| Color | |
| <ul style="list-style-type: none"> • of the actuating element | Red |
| Material of the actuating element | plastic |
| Shape of the actuating element | round |
| Outer diameter of the actuating element | 40 mm |
| Number of contact modules | 1 |
| Type of unlocking device | rotate-to-unlatch mechanism |

Front ring:

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| Product component front ring | No |
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Holder:

| | |
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| Material of the holder | Plastic |
|-------------------------------|---------|

Display:

| | |
|------------------------------|---|
| Number of LED modules | 0 |
|------------------------------|---|

General technical data:

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| Product function | |
| <ul style="list-style-type: none"> • positive opening • EMERGENCY OFF function | Yes Yes |

| | |
|---|--|
| • EMERGENCY STOP function | Yes |
| Product component | |
| • Light source | No |
| Insulation voltage | |
| • rated value | 500 V |
| Degree of pollution | 3 |
| Surge voltage resistance rated value | 6 kV |
| Protection class IP | IP66, IP67, IP69(IP69K) |
| • of the terminal | IP20 |
| Degree of protection NEMA rating | NEMA 1, 2, 3, 3R, 4, 4X, 12 |
| Shock resistance | |
| • acc. to IEC 60068-2-27 | Sinusoidal half-wave 50 g / 11 ms |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B |
| Vibration resistance | |
| • acc. to IEC 60068-2-6 | 10 ... 500 Hz: 5g |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B |
| Operating frequency maximum | 600 1/h |
| Mechanical service life (switching cycles) | |
| • typical | 300 000 |
| Electrical endurance (switching cycles) | |
| • typical | 300 000 |
| Thermal current | 10 A |
| Equipment marking | |
| • acc. to DIN EN 61346-2 | S |
| • acc. to DIN EN 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 |

Main circuit:

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| Operating voltage | |
| • rated value | 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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Auxiliary circuit:

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| Design of the contact of auxiliary contacts | Silver alloy |
| Number of NC contacts | |
| • for auxiliary contacts | 1 |
| Number of NO contacts | |
| • for auxiliary contacts | 0 |
| Number of CO contacts | |

- for auxiliary contacts

0

Connections/ Terminals:

| | |
|--|------------------------------------|
| Type of electrical connection | |
| <ul style="list-style-type: none"> • of modules and accessories | Screw-type terminal |
| Type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • solid with core end processing | 2x (0.5 ... 0.75 mm ²) |
| <ul style="list-style-type: none"> • solid without core end processing | 2x (1.0 ... 1.5 mm ²) |
| <ul style="list-style-type: none"> • finely stranded with core end processing | 2x (0.5 ... 1.5 mm ²) |
| <ul style="list-style-type: none"> • finely stranded without core end processing | 2x (1,0 ... 1,5 mm ²) |
| <ul style="list-style-type: none"> • at AWG conductors | 2x (18 ... 14) |
| Connectable conductor cross-section | |
| <ul style="list-style-type: none"> • finely stranded with core end processing | 0.5 ... 1.5 mm ² |
| Tightening torque of the screws in the bracket | 1 ... 1.2 N·m |
| Tightening torque | |
| <ul style="list-style-type: none"> • for auxiliary contacts with screw-type terminals | 0.8 ... 0.9 N·m |

Safety related data:

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|--|---------|
| B10 value | |
| <ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 | 100 000 |
| Proportion of dangerous failures | |
| <ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 | 20 % |
| <ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 | 20 % |
| Failure rate [FIT] | |
| <ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 | 100 FIT |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y |

Ambient conditions:

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| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation | -25 ... +70 °C |
| <ul style="list-style-type: none"> • during storage | -40 ... +80 °C |
| Environmental category during operation acc. 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) |

Installation/ mounting/ dimensions:

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| Mounting type | front mounting |
| <ul style="list-style-type: none"> • 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 | 46.4 mm |

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|--------------------|---------|
| Installation width | 75 mm |
| Installation depth | 48.6 mm |

Accessories:

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|--------------------------|----------------|
| Number of backing plates | 1 |
| Marking of backing plate | EMERGENCY STOP |
| Color of backing plate | Yellow |

Certificates/approvals

| General Product Approval | | | | Declaration of Conformity | Test Certificates |
|---|---|---|---|---|------------------------------------|
|  |  |  |  |  | Werksbescheinigung |
| CCC | CSA | UL | | EG-Konf. | gen |

| Test Certificates | Shipping Approval | | | | other |
|---|---|---|---|---|-------------------------------|
| spezielle Prüfbescheinigung |  |  |  |  | Bestätigungen |
| n | ABS | LRS | PRS | RMRS | |

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-1HB20-1CG0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-1CG0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-1CG0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-1CG0&lang=en

last modified:

10/07/2016