# SIEMENS

**Data sheet**                                         **3SU1802-0NB00-2AB2**

Enclosure for command devices, 22 mm, round, Enclosure material plastic, Enclosure top part yellow, 2 control points plastic, B=Indicator light red, LED 24 V, screw terminal, label without inscription, A=Emergency stop 40 mm rotate-to-unlatch, label without inscription, 1 NO, 1 NC, 1 NC, screw terminal, floor mounting, 1xM20 each on top and bottom, Labels enclosed

| | |
|---|---|
| **product brand name** | SIRIUS ACT |
| **product designation** | Enclosures |
| **product type designation** | 3SU1 |
| **equipment of commanding and signaling device** | A = EMERGENCY-STOP mushroom pushbutton, 40 mm, with positive latching according to ISO 13850 and rotate-to-unlatch mechanism / B = indicator light 24 V AC/DC |
| **manufacturer's article number** | |
| ● of supplied contact module | A1 = 3SU1400-2AA10-1CA0, A2 = 3SU1400-2AA10-1BA0, A3 = 3SU1400-2AA10-1CA0 |
| ● of supplied contact module at the command point A 1 | 3SU1400-2AA10-1CA0 |
| ● of supplied contact module at the command point A 2 | 3SU1400-2AA10-1BA0 |
| ● of supplied contact module at the command point A 3 | 3SU1400-2AA10-1CA |
| ● of supplied LED module | B3 = 3SU1401-2BG20-1AA0 |
| ● of supplied LED module at the command point B | 3SU1401-2BB20-1AA0 |
| ● of the supplied holder | A = 3SU1500-0AA10-0AA0, B = 3SU1500-0AA10-0AA0 |
| ● of the supplied holder at the command point A | 3SU1500-0AA10-0AA0 |
| ● of the supplied holder at the command point B | 3SU1500-0AA10-0AA0 |
| ● of the supplied actuator | A = 3SU1000-1HB20-0AA0 |
| ● of the supplied actuator at the command point A | 3SU1000-1HB20-0AA0 |
| ● of the supplied actuator at the command point B | 3SU1001-6AA20-0AA0 |
| ● of supplied repeater | B = 3SU1001-6AA20-0AA0 |
| ● of supplied empty enclosure | 3SU1802-0AA00-0AB2 |
| ● of supplied accessory | A = 3SU1900-0AF16-0AA0, B = 3SU1900-0AF16-0AA0 |
| ● of the supplied accessories at the command point A | 3SU1900-0AF16-0AA0 |
| ● of the supplied accessories at the command point B | 3SU1900-0AF16-0AA0 |

## Enclosure

| | |
|---|---|
| **design of the housing** | with recess for label |
| **shape of the enclosure front** | rectangular |
| **material of the enclosure** | plastic |
| **number of command points** | 2 |
| **product component** | |
| ● EMERGENCY STOP device | Yes |
| ● protective collar | No |
| color of the enclosure top part | yellow |
| **delivery state** | |
| ● as a kit | No |
| ● pre-wired on strip terminal | No |
| **fastening method of the enclosure** | Vertical |

## Actuator

| | |
|---|---|
| **design of the actuating element** | Indicator light / EMERGENCY STOP mushroom pushbutton |
| suitability for use EMERGENCY OFF switch | Yes |

| | |
|---|---|
| product feature lockout | No |
| product extension optional light source | Yes |
| color of the actuating element | A = red / B = red |
| **material of the actuating element** | plastic |
| **shape of the actuating element** | round |
| **number of contact modules** | 3 |
| **type of unlocking device** | A = Rotate to unlock / B = none |

## 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 |
| ● EMERGENCY OFF function | Yes |
| ● EMERGENCY STOP function | Yes |
| **protection class IP** | IP66, IP67, IP69(IP69K) |
| **degree of protection NEMA rating** | 1, 2, 3, 3R, 4, 4X, 12K, 13 |
| **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 |
| **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 |
| **Weight** | 0.436 kg |
| **operating voltage** | |
| ● at AC | |
| — at 50 Hz rated value | 24 ... 24 V |
| — at 60 Hz rated value | 24 ... 24 V |
| ● at DC rated value | 24 ... 24 V |

## Communication/ Protocol

| | |
|---|---|
| design of the interface for communication | without |

## Auxiliary circuit

| | |
|---|---|
| **design of the contact of auxiliary contacts** | Silver alloy |
| **number of NC contacts for auxiliary contacts** | 2 |
| **number of NO contacts for auxiliary contacts** | 1 |

## Connections/ Terminals

| | |
|---|---|
| type of electrical connection of modules and accessories | Screw-type terminal |
| **type of electrical connection on enclosure** | Cable routing above and below, both 1 x M20 |
| **tightening torque of the screws in the bracket** | 1 ... 1.2 N·m |
| **tightening torque of fixing screws in the enclosure cover** | 1.5 ... 1.7 N·m |
| tightening torque with screw-type terminals | 0.8 ... 0.9 N·m |

## Lamp

| | |
|---|---|
| **light intensity** | 450 ... 1 120 mcd |

## Ambient conditions

| | |
|---|---|
| **ambient temperature** | |
| ● during operation | -25 ... +70 °C |
| ● during storage | -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 [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 |

| Installation/ mounting/ dimensions | |
| --- | --- |
| fastening method of modules and accessories | Floor mounting |
| height | 114 mm |
| width | 85 mm |
| depth | 109 mm |
| shape of the installation opening | round |

| Accessories | |
| --- | --- |
| number of labels | 2 |
| marking of the name plate for command devices | A = without inscription / B = without inscription |
| color of the label | A = black / B = black |
| number of inscription plates | 0 |

## Approvals Certificates

### General Product Approval

| CE EG-Konf. | UKCA | CCC | Confirmation | cULus | VDE |
| --- | --- | --- | --- | --- | --- |

| General Product Approval | Test Certificates | | other | Environment | |
| --- | --- | --- | --- | --- | --- |
| EAC | Special Test Certificate | Type Test Certificates/Test Report | Confirmation | EPD | Siemens EcoTech |

### Environment

Environmental Confirmations

## 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=3SU1802-0NB00-2AB2
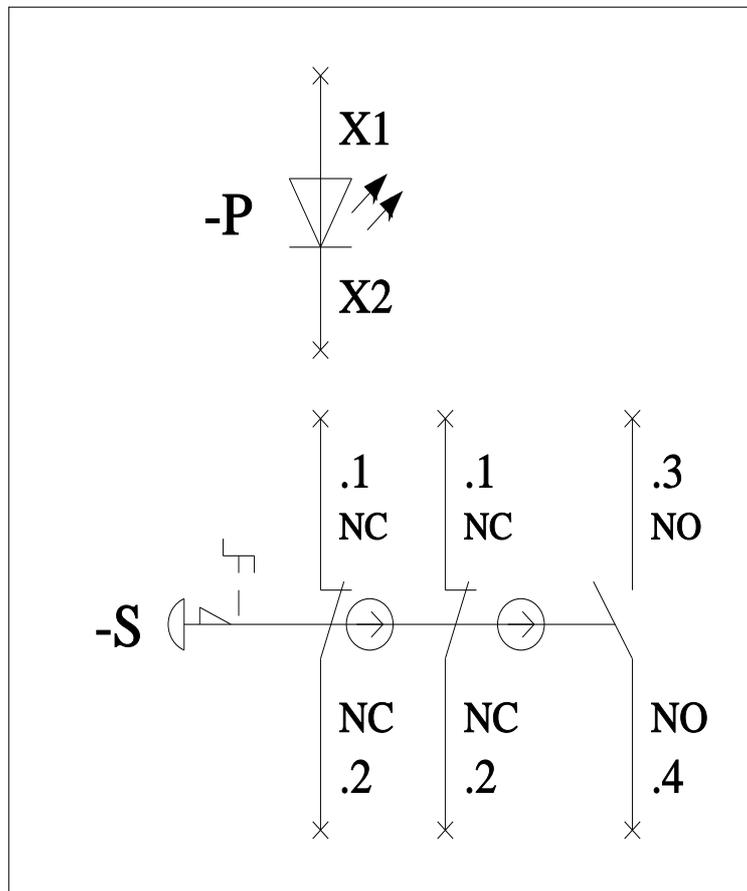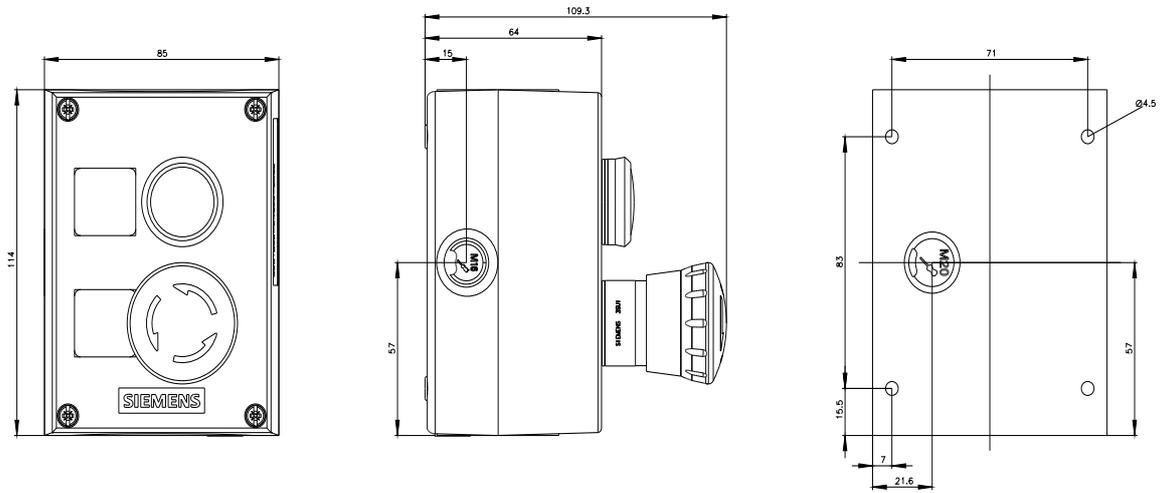
**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1802-0NB00-2AB2

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1802-0NB00-2AB2

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1802-0NB00-2AB2&lang=en

**-P**
X1
X2

**-S**

| .1 NC | .1 NC | .3 NO |
|---|---|---|
| NC .2 | NC .2 | NO .4 |

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