

Siemens  
EcoTech



AS-Interface enclosure for command devices 22 mm, round, Enclosure material metal, Enclosure top part yellow, with protective collar, 1 control point metal, A=EMERGENCY STOP mushroom pushbutton red, 40 mm, rotate-to-unlatch, 1 NC, 1 NC, spring-type terminal, floor mounting, AS-i shaped cable Direct entry top/right

|                                              |                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 acc. to ISO 13850 and rotate-to-unlatch mechanism                                                                                                                                                                                                 |
| manufacturer's article number                | <ul style="list-style-type: none"> <li>of supplied contact module at the command point A 1</li> <li>of supplied contact module at the command point A 2</li> <li>of the supplied holder at the command point A</li> <li>of the supplied actuator at the command point A</li> <li>of supplied empty enclosure</li> </ul> |
| <b>Enclosure</b>                             |                                                                                                                                                                                                                                                                                                                         |
| design of the housing                        | with protective collar                                                                                                                                                                                                                                                                                                  |
| shape of the enclosure front                 | Square                                                                                                                                                                                                                                                                                                                  |
| material of the enclosure                    | metal                                                                                                                                                                                                                                                                                                                   |
| number of command points                     | 1                                                                                                                                                                                                                                                                                                                       |
| product component                            | <ul style="list-style-type: none"> <li>EMERGENCY STOP device</li> <li>protective collar</li> </ul>                                                                                                                                                                                                                      |
| color of the enclosure top part              | yellow                                                                                                                                                                                                                                                                                                                  |
| delivery state                               | <ul style="list-style-type: none"> <li>as a kit</li> <li>pre-wired on strip terminal</li> </ul>                                                                                                                                                                                                                         |
| fastening method of the enclosure            | Vertical                                                                                                                                                                                                                                                                                                                |
| <b>Actuator</b>                              |                                                                                                                                                                                                                                                                                                                         |
| design of the actuating element              | EMERGENCY STOP mushroom pushbutton                                                                                                                                                                                                                                                                                      |
| suitability for use EMERGENCY OFF switch     | Yes                                                                                                                                                                                                                                                                                                                     |
| product feature lockout                      | No                                                                                                                                                                                                                                                                                                                      |
| product extension optional light source      | No                                                                                                                                                                                                                                                                                                                      |
| color of the actuating element               | red                                                                                                                                                                                                                                                                                                                     |
| material of the actuating element            | plastic                                                                                                                                                                                                                                                                                                                 |
| shape of the actuating element               | round                                                                                                                                                                                                                                                                                                                   |
| number of contact modules                    | 2                                                                                                                                                                                                                                                                                                                       |
| type of unlocking device                     | A = rotate-to-unlatch mechanism                                                                                                                                                                                                                                                                                         |
| <b>Front ring</b>                            |                                                                                                                                                                                                                                                                                                                         |
| product component front ring                 | No                                                                                                                                                                                                                                                                                                                      |

|                                                                |                                                                                                                                                                                                                          |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| design of the front ring                                       | Standard                                                                                                                                                                                                                 |
| <b>Holder</b>                                                  |                                                                                                                                                                                                                          |
| material of the holder                                         | Plastic                                                                                                                                                                                                                  |
| <b>Display</b>                                                 |                                                                                                                                                                                                                          |
| number of LED modules                                          | 0                                                                                                                                                                                                                        |
| <b>General technical data</b>                                  |                                                                                                                                                                                                                          |
| 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, 12, 13                                                                                                                                                                                               |
| shock resistance                                               |                                                                                                                                                                                                                          |
| • according to IEC 60068-2-27                                  | sinusoidal half-wave 15 g / 11 ms                                                                                                                                                                                        |
| vibration resistance                                           |                                                                                                                                                                                                                          |
| • according to IEC 60068-2-6                                   | 10 ... 500 Hz: 5 g                                                                                                                                                                                                       |
| 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 (day/month/year)                        | 10/01/2014                                                                                                                                                                                                               |
| SVHC substance name                                            | Lead CAS-No. 7439-92-1<br>Lead monoxide (lead oxide) CAS-No. 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5<br>Melamine CAS-No. 108-78-1<br>Diboron trioxide CAS-No. 1303-86-2 |
| Net Weight                                                     | 746 g                                                                                                                                                                                                                    |
| 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                                                                                                                                                                                                              |
| cable entry type                                               | Adapter ASI shaped cable (insulation displacement method) M20 cable entry                                                                                                                                                |
| <b>Communication/ Protocol</b>                                 |                                                                                                                                                                                                                          |
| design of the interface for communication                      | AS-i                                                                                                                                                                                                                     |
| <b>Auxiliary circuit</b>                                       |                                                                                                                                                                                                                          |
| design of the contact of auxiliary contacts                    | Silver alloy                                                                                                                                                                                                             |
| number of NC contacts for auxiliary contacts                   | 2                                                                                                                                                                                                                        |
| number of NO contacts for auxiliary contacts                   | 0                                                                                                                                                                                                                        |
| <b>Connections/ Terminals</b>                                  |                                                                                                                                                                                                                          |
| type of electrical connection of modules and accessories       | Spring-type terminal                                                                                                                                                                                                     |
| type of electrical connection on enclosure                     | Adapter ASI shaped cable (insulation displacement method)                                                                                                                                                                |
| 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                                                                                                                                                                                                          |
| <b>Ambient conditions</b>                                      |                                                                                                                                                                                                                          |
| ambient temperature                                            |                                                                                                                                                                                                                          |
| • during operation                                             | -25 ... +70 °C                                                                                                                                                                                                           |
| • during storage                                               | -40 ... +80 °C                                                                                                                                                                                                           |
| environmental category during operation according 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)                                                                            |
| <b>Installation/ mounting/ dimensions</b>                      |                                                                                                                                                                                                                          |
| fastening method of modules and accessories                    | Floor mounting                                                                                                                                                                                                           |
| height                                                         | 105.4 mm                                                                                                                                                                                                                 |
| width                                                          | 85 mm                                                                                                                                                                                                                    |
| depth                                                          | 112.5 mm                                                                                                                                                                                                                 |
| shape of the installation opening                              | round                                                                                                                                                                                                                    |
| <b>Accessories</b>                                             |                                                                                                                                                                                                                          |
| number of labels                                               | 1                                                                                                                                                                                                                        |
| marking of the name plate for command devices                  | A = I                                                                                                                                                                                                                    |

|                              |   |
|------------------------------|---|
| number of inscription plates | 0 |
|------------------------------|---|

#### Approvals Certificates

|                                                            |           |
|------------------------------------------------------------|-----------|
| Environmental Product Declaration                          |           |
| • global warming potential [CO2 eq] / during manufacturing | 0.625 kg  |
| • global warming potential [CO2 eq] / during operation     | 0.235 kg  |
| • global warming potential [CO2 eq] / after end of life    | -0.267 kg |
| • global warming potential [CO2 eq] / total                | 0.593 kg  |

|             |                          |
|-------------|--------------------------|
| Environment | General Product Approval |
|-------------|--------------------------|

[Environmental Confirmations](#)

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|                          |                   |       |
|--------------------------|-------------------|-------|
| General Product Approval | Test Certificates | other |
|--------------------------|-------------------|-------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

[Confirmation](#)

|       |
|-------|
| other |
|-------|



#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

##### 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=3SU1851-0NB10-4GC2>

##### Cax online generator

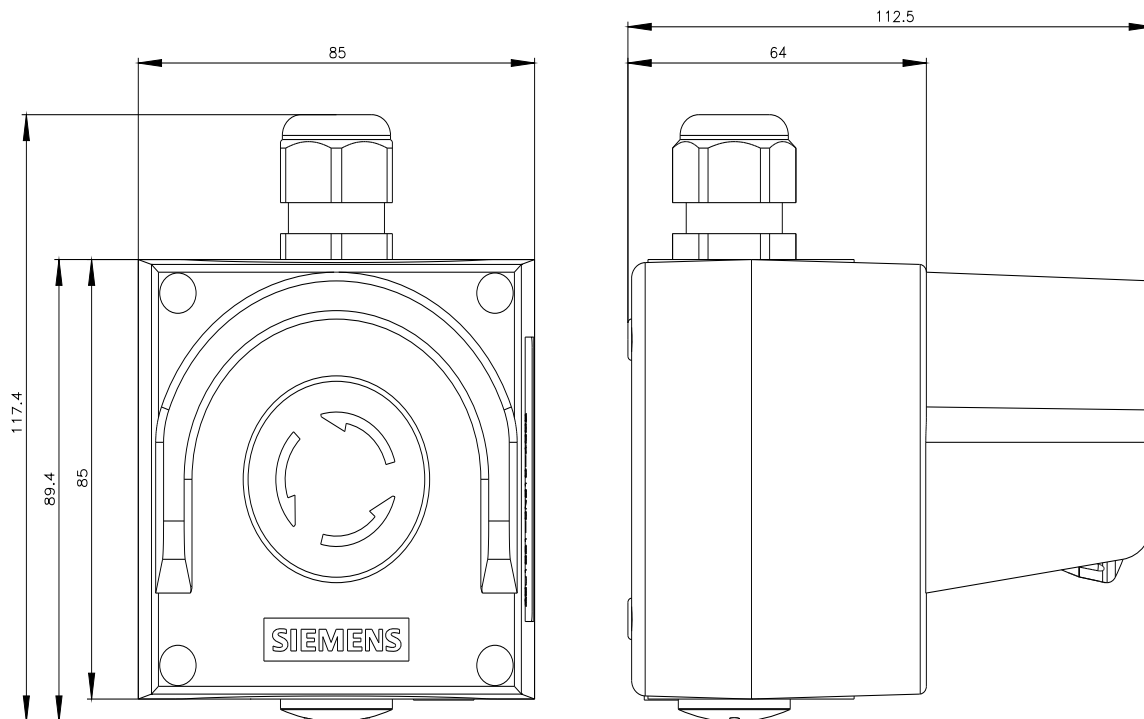
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1851-0NB10-4GC2>

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

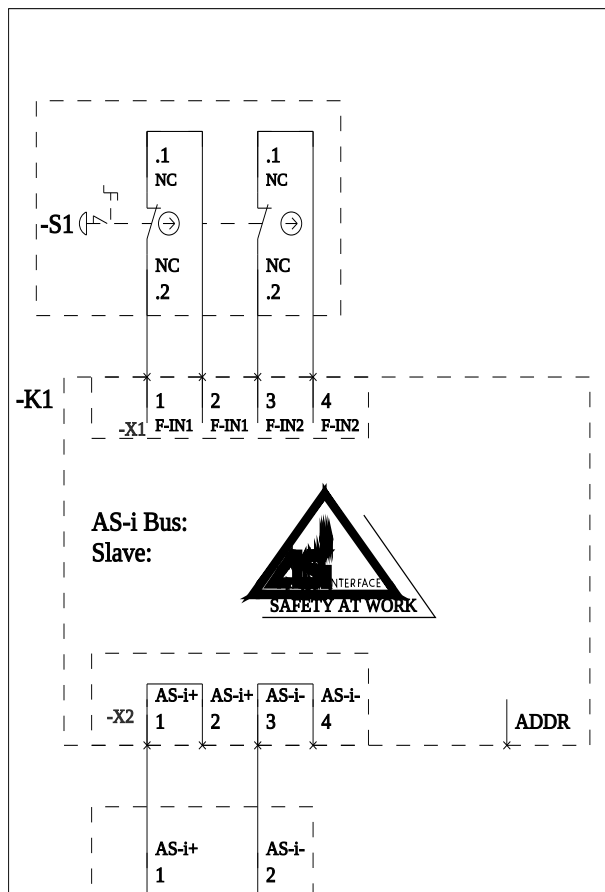
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1851-0NB10-4GC2>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1851-0NB10-4GC2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1851-0NB10-4GC2&lang=en)



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