



**THE DATASHEET OF  
3SU11001HB203FH0**





EMERGENCY STOP mushroom-type actuator, 22 mm, round, plastic, red, 40 mm, positive latching, according to EN ISO 13850, rotate-to-unlatch, with yellow backing plate, inscription: NOT-HALT, with holder, 1 NO+1 NC, spring-type terminal

|   |  |
|---|--|
| <b>product brand name</b>   | SIRIUS ACT   |
| <b>product designation</b>  | EMERGENCY STOP mushroom pushbuttons  |
| <b>design of the product</b>  | Complete unit  |
| <b>product type designation</b>   | 3SU1   |
| <b>product line</b>   | Plastic, black, 22 mm  |
| <b>manufacturer's article number</b>  |  |
| <ul style="list-style-type: none"> <li>• of supplied contact module at position 1</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> <li>• of supplied accessory</li> </ul> | <a href="#">3SU1400-1AA10-3FA0</a><br><a href="#">3SU1550-0AA10-0AA0</a><br><a href="#">3SU1000-1HB20-0AA0</a><br><a href="#">3SU1900-0BC31-0AT0</a> |
| <b>Enclosure</b>  |  |
| <b>number of command points</b>   | 1  |
| <b>Actuator</b>   |  |
| <b>design of the actuating element</b>  | positive latching  |
| <b>principle of operation of the actuating element</b>  | latching   |
| product extension optional light source   | No   |
| color of the actuating element  | red  |
| <b>material of the actuating element</b>  | plastic  |
| <b>shape of the actuating element</b>   | round  |
| <b>outer diameter of the actuating element</b>  | 40 mm  |
| <b>number of contact modules</b>  | 1  |
| <b>type of unlocking device</b>   | rotate-to-unlatch mechanism  |
| <b>Front ring</b>   |  |
| <b>product component front ring</b>   | No   |
| <b>Holder</b>   |  |
| <b>material of the holder</b>   | Plastic  |
| <b>Display</b>  |  |
| <b>number of LED modules</b>  | 0  |
| <b>General technical data</b>   |  |
| <b>product function</b>   |  |
| <ul style="list-style-type: none"> <li>• positive opening</li> <li>• EMERGENCY OFF function</li> <li>• EMERGENCY STOP function</li> </ul>   | Yes<br>Yes<br>Yes  |
| product component light source  | No   |
| insulation voltage rated value  | 500 V  |
| <b>degree of pollution</b>  | 3  |
| type of voltage of the operating voltage  | AC/DC  |
| <b>surge voltage resistance rated value</b>   | 6 kV   |
| <b>protection class IP</b>  | IP66, IP67, IP69(IP69K)  |

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• of the terminal</li> </ul>   | IP20  |
| <b>degree of protection NEMA rating</b>   | 1, 2, 3, 3R, 4, 4X, 12, 13  |
| <b>shock resistance</b>   | sinusoidal half-wave 15g / 11 ms<br>Category 1, Class B   |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> <li>• for railway applications according to EN 61373</li> </ul>                           |   |
| <b>vibration resistance</b>   | 10 ... 500 Hz: 5g<br>Category 1, Class B  |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> <li>• for railway applications according to EN 61373</li> </ul>                            |   |
| <b>operating frequency maximum</b>  | 600 1/h   |
| mechanical service life (switching cycles) typical  | 300 000   |
| electrical endurance (switching cycles) typical   | 300 000   |
| <b>thermal current</b>  | 10 A  |
| <b>reference code according to IEC 81346-2</b>  | S   |
| <b>continuous current of the C characteristic MCB</b>   | 10 A; for a short-circuit current smaller than 400 A  |
| <b>continuous current of the quick DIAZED fuse link</b>   | 10 A  |
| <b>continuous current of the DIAZED fuse link gG</b>  | 10 A  |
| <b>Substance Prohibitance (Date)</b>  | 10/01/2014  |
| <b>operating voltage</b>  | 5 ... 500 V<br>5 ... 500 V<br>5 ... 500 V   |
| <ul style="list-style-type: none"> <li>• at AC <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> </ul> |   |
| <ul style="list-style-type: none"> <li>• at DC rated value</li> </ul>   |   |
|   |   |
| <b>Power Electronics</b>  |   |
| <b>contact reliability</b>  | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  |
| <b>Auxiliary circuit</b>  |   |
| <b>design of the contact of auxiliary contacts</b>  | Silver alloy  |
| <b>number of NC contacts for auxiliary contacts</b>   | 1   |
| <b>number of NO contacts for auxiliary contacts</b>   | 1   |
| <b>Connections/ Terminals</b>   |   |
| <b>type of electrical connection</b>  | Spring-type terminal  |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>  |   |
| <b>type of connectable conductor cross-sections</b>   | 2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (0.25 ... 0.75 mm <sup>2</sup> )<br>2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (24 ... 16)             |
| <ul style="list-style-type: none"> <li>• solid without core end processing</li> </ul>   |   |
| <ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>  |   |
| <ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> <li>• at AWG cables</li> </ul>  |   |
| <b>tightening torque of the screws in the bracket</b>   | 1 ... 1.2 N·m   |
| <b>Safety related data</b>  |   |
| B10 value with high demand rate according to SN 31920   | 100 000   |
| <b>proportion of dangerous failures</b>   | 20 %<br>20 %  |
| <ul style="list-style-type: none"> <li>• with low demand rate according to SN 31920</li> <li>• with high demand rate according to SN 31920</li> </ul>               |   |
| failure rate [FIT] with low demand rate according to SN 31920   | 100 FIT   |
| <b>Ambient conditions</b>   |   |
| <b>ambient temperature</b>  | -25 ... +70 °C<br>-40 ... +80 °C  |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>  |   |
| 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>   |   |
| <b>fastening method</b>   | front plate mounting  |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>  | Front plate mounting  |
| <b>height</b>   | 40 mm   |
| <b>width</b>  | 30 mm   |
| <b>shape of the installation opening</b>  | round   |
| <b>mounting diameter</b>  | 22.3 mm   |
| <b>positive tolerance of installation diameter</b>  | 0.4 mm  |
| <b>mounting height</b>  | 46.4 mm   |

|                          |                |
|--------------------------|----------------|
| installation width       | 75 mm          |
| installation depth       | 70.6 mm        |
| <b>Accessories</b>       |                |
| number of backing plates | 1              |
| marking of backing plate | EMERGENCY-STOP |
| color of backing plate   | Yellow         |

|                                |                           |
|--------------------------------|---------------------------|
| <b>Certificates/ approvals</b> |                           |
| General Product Approval       | Declaration of Conformity |



[Confirmation](#)



EG-Konf.

|                           |                   |                   |
|---------------------------|-------------------|-------------------|
| Declaration of Conformity | Test Certificates | Marine / Shipping |
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ABS

LRS

PRS

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



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**Further information**

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=3SU1100-1HB20-3FH0>

Cax online generator

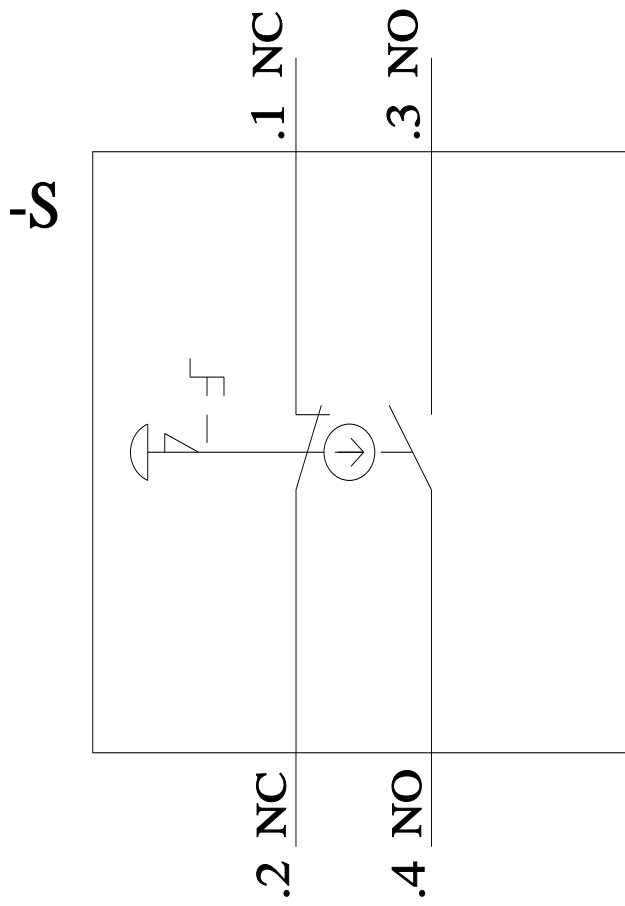
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-1HB20-3FH0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-1HB20-3FH0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-1HB20-3FH0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-1HB20-3FH0&lang=en)





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