

Data sheet

3SU1000-1HS20-0AA0



EMERGENCY-OFF mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, with Siemens lock, C, lock number SSP9, positive latching, according to DIN EN ISO 13850, key-operated release

| | |
|--|-------------------------------------|
| product brand name | SIRIUS ACT |
| product designation | EMERGENCY STOP mushroom pushbuttons |
| design of the product | Actuating/signaling element |
| product type designation | 3SU1 |
| product line | Plastic, black, 22 mm |
| Enclosure | |
| number of command points | 1 |
| Actuator | |
| design of the actuating element | positive latching |
| principle of operation of the actuating element | latching |
| product extension optional | |
| • light source | No |
| • contact module | Yes |
| color | |
| • 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 |
| type of unlocking device | Unlocking |
| number of switching positions | 2 |
| switch position for key distraction | O |
| lock make | Siemens, C |
| key number | SSP9 |
| Front ring | |
| product component front ring | No |
| 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, 12, 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 |
| operating frequency maximum | 600 1/h |
| mechanical service life (operating cycles) typical | 300 000 |
| reference code according to IEC 81346-2 | S |
| Substance Prohibitance (Date) | 10/01/2014 |
| SVHC substance name | Lead - 7439-92-1 |
| Net Weight | 111 g |
| Safety related data | |
| product function suitable for safety function | Yes |
| service life maximum | 20 a |
| test wear-related service life necessary | Yes |

| | |
|--|--|
| proportion of dangerous failures | |
| • with low demand rate according to SN 31920 | 20 % |
| • with high demand rate per NC contact according to SN 31920 | 20 % |
| • with high demand rate per NO contact according to SN 31920 | 50 % |
| B10 value with high demand rate according to SN 31920 | |
| failure rate [FIT] with low demand rate per NC contact according to SN 31920 | 100 000 |
| ISO 13849 | |
| device type according to ISO 13849-1 | 3 |
| IEC 61508 | |
| safety device type according to IEC 61508-2 | Type A |
| T1 value for proof test interval or service life according to IEC 61508 | 20 a |
| 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, 3C3, 3K6 (with relative air humidity of 10 ... 95%) |
| Installation/ mounting/ dimensions | |
| shape of the installation opening | round |
| mounting diameter | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm |
| mounting height | 84.5 mm |
| installation width | 40 mm |
| installation depth | 26.3 mm |
| Approvals Certificates | |
| Environmental Product Declaration | |
| • 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 | -0.0145 kg |
| • global warming potential [CO2 eq] / total | 0.787 kg |
| Environment | General Product Approval |
| Environmental Confirmations | |

| General Product Approval | Test Certificates | Maritime application |
|---|--|---|
|  | Special Test Certificate Type Test Certificates/Test Report |   |
| Maritime application | other | |
|   | | Confirmation  |

| | |
|---|---|
| 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=3SU1000-1HS20-0AA0>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1HS20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1HS20-0AA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1HS20-0AA0&lang=en

last modified:

9/30/2025 