

EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, plastic, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch, with laser labeling, upper case

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| 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 | Yes |
| • 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 |
| marking of the actuating element | Customized labeling, text in capital letters |
| type of unlocking device | rotate-to-unlatch mechanism |
| number of switching positions | 2 |
| 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 15 g / 11 ms |
| • for railway applications according to EN 61373 | Category 1, Class B |
| vibration resistance | |
| • according to IEC 60068-2-6 | 10 ... 500 Hz: 5 g |
| • 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 |
| Net Weight | 0.045 kg |
| 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 % |

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| <ul style="list-style-type: none"> with high demand rate per NO contact according to SN 31920 | 50 % |
| B10 value with high demand rate according to SN 31920 | 100 000 |
| failure rate [FIT] with low demand rate per NC contact according to SN 31920 | 100 FIT |
| 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 |

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| Ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> during operation during storage | -25 ... +70 °C -40 ... +80 °C |
| environmental category during operation according to IEC 60721 | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%) |

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| Installation/ mounting/ dimensions | |
| shape of the installation opening | round |
| mounting diameter | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm |
| mounting height | 45.3 mm |
| installation width | 40 mm |
| installation depth | 26.3 mm |

Approvals Certificates

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| Environmental Product Declaration | |
| <ul style="list-style-type: none"> global warming potential [CO2 eq] / during manufacturing global warming potential [CO2 eq] / during operation global warming potential [CO2 eq] / after end of life global warming potential [CO2 eq] / total | 0.566 kg 0.235 kg -0.0145 kg 0.787 kg |
| Environment | General Product Approval |
| | Maritime application |

[Environmental Confirmations](#)



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|-----------------------------|--------------|
| 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=3SU1001-1HB20-0AA0-Z_Y11

Cax online generator

https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-1HB20-0AA0-Z_Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-1HB20-0AA0-Z_Y11

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-1HB20-0AA0-Z_Y11&lang=en

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