



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, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

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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 | Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| 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 | |
| • acc. to IEC 60068-2-27 | Sinusoidal half-wave 50g / 11 ms |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B |
| vibration resistance | |
| • acc. to IEC 60068-2-6 | 10 ... 500 Hz: 5g |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B |
| operating frequency maximum | 600 1/h |

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| mechanical service life (switching cycles) typical | 300 000 |
| reference code acc. to IEC 81346-2 | S |
| Safety related data | |
| B10 value with high demand rate acc. to SN 31920 | 100 000 |
| proportion of dangerous failures | |
| • with low demand rate acc. to SN 31920 | 20 % |
| • with high demand rate acc. to SN 31920 | 20 % |
| failure rate [FIT] with low demand rate acc. to SN 31920 | 100 FIT |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y |
| Ambient conditions | |
| • ambient temperature during operation | -25 ... +70 °C |
| • ambient temperature during storage | -40 ... +80 °C |
| environmental category during operation acc. 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 | 45.3 mm |
| installation width | 40 mm |
| installation depth | 26.3 mm |
| Certificates/ approvals | |
| 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=3SU1001-1HB20-0AA0-Z Y19>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-1HB20-0AA0-Z Y19>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-1HB20-0AA0-Z Y19>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-1HB20-0AA0-Z Y19&lang=en

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