

Siemens  
EcoTech



EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, with RONIS lock, lock No. 421, positive latching, acc. to 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                                    | Metal, shiny, 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                                       | RONIS                               |
| key number                                      | 421                                 |
| 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    |
| vibration resistance                            |                                     |
| • according to IEC 60068-2-6                    | 10 ... 500 Hz: 5g                   |
| operating frequency maximum                     | 600 1/h                             |

|                                                    |            |
|----------------------------------------------------|------------|
| mechanical service life (operating cycles) typical | 300 000    |
| reference code according to IEC 81346-2            | S          |
| Substance Prohibittance (Date)                     | 10/01/2014 |

#### Safety related data

|                                                               |         |
|---------------------------------------------------------------|---------|
| proportion of dangerous failures                              |         |
| • with low demand rate according to SN 31920                  | 20 %    |
| • with high demand rate according to SN 31920                 | 20 %    |
| B10 value with high demand rate according to SN 31920         | 100 000 |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |

#### 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%) |

#### Environmental footprint

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| Environmental Product Declaration (EPD)                | Yes             |
| Global Warming Potential [CO2 eq] total                | 0.593 kg        |
| 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       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

#### Installation/ mounting/ dimensions

|                                             |         |
|---------------------------------------------|---------|
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 67.1 mm |
| installation width                          | 40 mm   |
| installation depth                          | 26.3 mm |

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



##### General Product Approval

##### Test Certificates

##### Marine / Shipping



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



##### Marine / Shipping

##### other

##### Environment



[Confirmation](#)



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#### Further information

##### Information on the packaging

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

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

##### Industry Mall (Online ordering system)

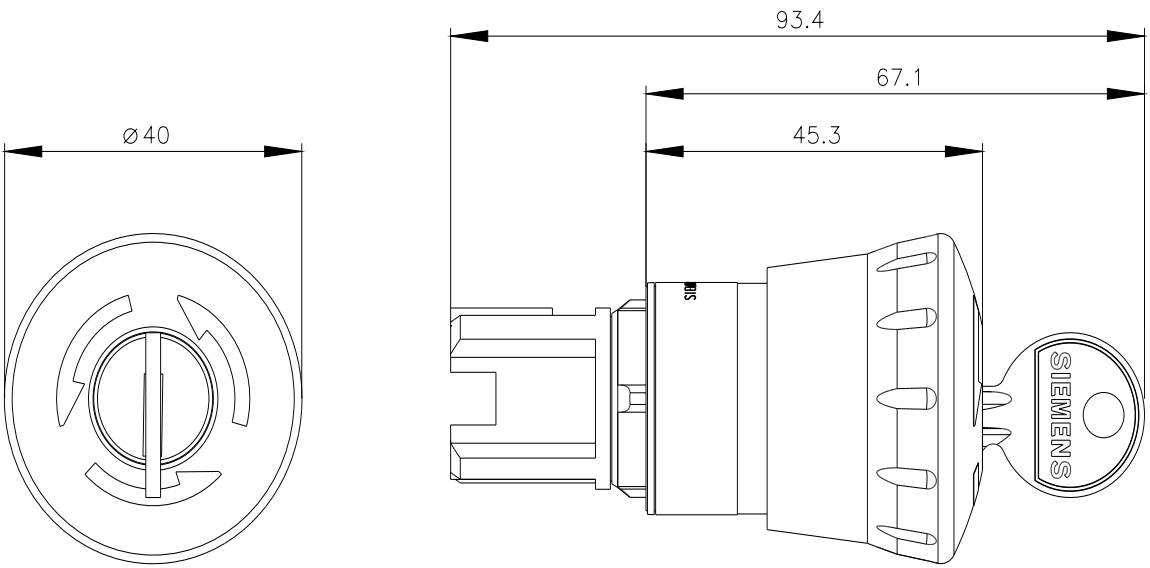
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-1HH20-0AA0>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-1HH20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1HH20-0AA0>



last modified:

2/7/2024

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