



Mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, 3 switch positions, latches after pushing in, unlatches by pull-to-unlatch mechanism to center position, after pulling out the button Retraction to center position, with laser labeling, lower case

|                                                    |                                                 |
|----------------------------------------------------|-------------------------------------------------|
| product brand name                                 | SIRIUS ACT                                      |
| product designation                                | 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                                           |                                                 |
| principle of operation of the actuating element    | latching                                        |
| product extension optional light source            | No                                              |
| 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 lower case letters |
| type of unlocking device                           | pull-to-unlatch mechanism                       |
| number of switching positions                      | 3                                               |
| Front ring                                         |                                                 |
| product component front ring                       | Yes                                             |
| design of the front ring                           | Standard                                        |
| material of the front ring                         | Metal, high gloss                               |
| color of the front ring                            | silver                                          |
| General technical data                             |                                                 |
| product function                                   |                                                 |
| • EMERGENCY OFF function                           | No                                              |
| • EMERGENCY STOP function                          | No                                              |
| 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                        | 1 800 1/h                                       |
| mechanical service life (operating cycles) typical | 300 000                                         |
| reference code according to IEC 81346-2            | S                                               |
| Substance Prohibitance (Date)                      | 10/01/2014                                      |
| Ambient conditions                                 |                                                 |

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>ambient temperature</b>                                     |                                                                    |
| • 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

|                                             |         |
|---------------------------------------------|---------|
| height                                      | 40 mm   |
| width                                       | 40 mm   |
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 32 mm   |
| installation width                          | 40 mm   |
| installation depth                          | 24.6 mm |

#### Approvals Certificates

| 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=3SU1050-1EA20-0AA0-Z Y12>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-1EA20-0AA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1EA20-0AA0-Z Y12>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1050-1EA20-0AA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-1EA20-0AA0-Z Y12&lang=en)

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