



Pushbutton, compact, with extended stroke (12 mm), 22 mm, round, plastic with metal front ring, red transparent, pushbutton, flat, momentary contact type, with holder

| | |
|--|---|
| product brand name | SIRIUS ACT |
| product designation | Pushbuttons |
| design of the product | Complete unit |
| product type designation | 3SU1 |
| product line | Plastic with metal front ring, matt, 22 mm |
| Enclosure | |
| number of command points | 1 |
| Actuator | |
| design of the actuating element | Flat button with extended stroke, transparent |
| principle of operation of the actuating element | momentary contact type |
| 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 | 29.5 mm |
| Front ring | |
| product component front ring | Yes |
| design of the front ring | Standard |
| material of the front ring | Metal, matt |
| color of the front ring | sand gray |
| General technical data | |
| 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 | 3 600 1/h |
| mechanical service life (switching cycles) typical | 5 000 000 |
| reference code acc. to IEC 81346-2 | S |
| 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 | |
|---|---------|
| height | 40 mm |
| width | 30 mm |
| shape of the installation opening | round |
| mounting diameter | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm |
| mounting height | 20.3 mm |
| installation width | 29.5 mm |
| installation depth | 30.9 mm |

| Certificates/ approvals | | |
|--------------------------|---------------------------|-------------------|
| General Product Approval | Declaration of Conformity | Test Certificates |



[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

| Test Certificates | other |
|-------------------|-------|
|-------------------|-------|

[Special Test Certificate](#)

[Confirmation](#)

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=3SU1231-0EB20-0AA0>

Cax online generator

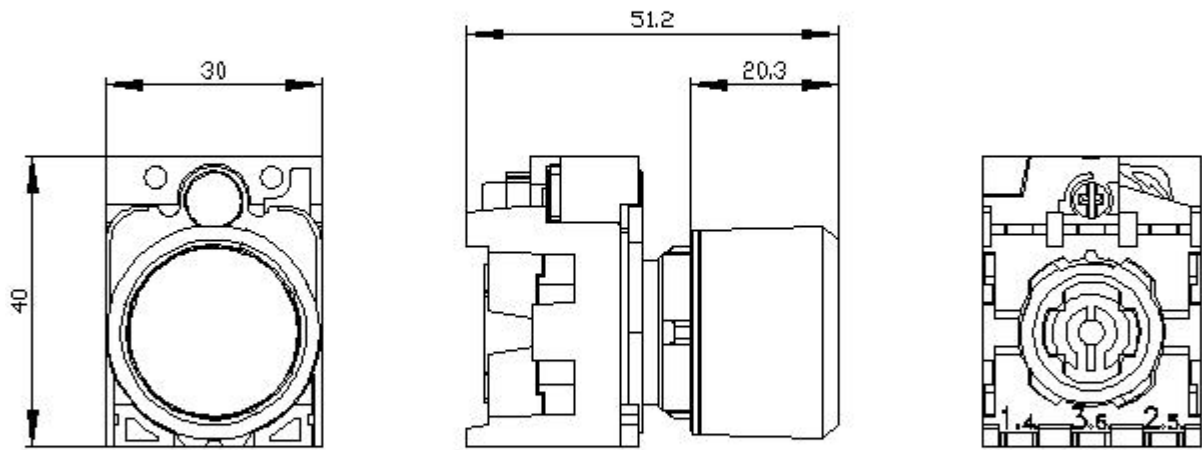
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1231-0EB20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1231-0EB20-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1231-0EB20-0AA0&lang=en



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