

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

Enclosure	
Number of command points	1

Actuator	
Design of the operating mechanism	Flat button with extended stroke, transparent
Manner of function of the actuating element	momentary contact type
Product extension optional Light source	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

<b>Material of the front ring</b>	Metal, matt
<b>Color of the front ring</b>	sand gray

### General technical data

<b>Protection class IP</b>	IP66, IP67, IP69(IP69K)
<b>Degree of protection NEMA rating</b>	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
<b>Shock resistance</b>	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	Sinusoidal half-wave 50 g / 11 ms Category 1, Class B
<b>Operating frequency maximum</b>	3 600 1/h
<b>Mechanical service life (switching cycles)</b>	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	5 000 000
<b>Reference code acc. to DIN EN 81346-2</b>	S
<b>Reference code acc. to DIN EN 61346-2</b>	S





### Ambient conditions

<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>	-25 ... +70 °C -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

<b>Height</b>	40 mm
<b>Width</b>	30 mm
<b>Shape of the installation opening</b>	round
<b>Mounting diameter</b>	22.3 mm
<b>Positive tolerance of installation diameter</b>	0.4 mm
<b>Mounting height</b>	20.3 mm
<b>Installation width</b>	29.5 mm
<b>Installation depth</b>	30.9 mm

### Certificates/approvals

General Product Approval	Declaration of Conformity	Test Certificates
 CSA	 UL	 EAC
 EG-Konf.	<a href="#">Miscellaneous</a>	<a href="#">Type Test Certificates/Test Report</a>

other
<a href="#">Confirmation</a>

### Further information

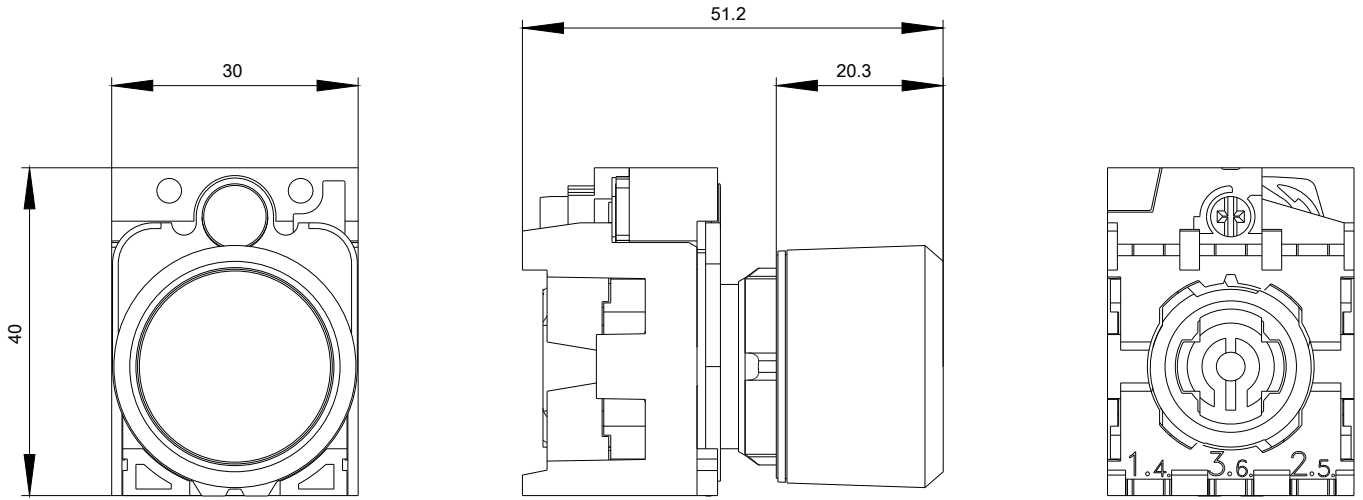
**Information- and Downloadcenter (Catalogs, Brochures,...)**  
<http://www.siemens.com/industrial-controls/catalogs>

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



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