

Illuminated mushroom pushbutton, 22 mm, round, plastic with metal front ring, clear, 40 mm, momentary contact type



product brand name	SIRIUS ACT
product designation	Mushroom pushbuttons
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Plastic with metal front ring, matt, 22 mm

Enclosure	
number of command points	1

Actuator	
design of the operating mechanism	illuminated
manner of function of the actuating element	momentary contact type
<ul style="list-style-type: none"> <li>product extension optional light source</li> </ul>	Yes
color	
<ul style="list-style-type: none"> <li>of the actuating element</li> </ul>	clear
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	40 mm
number of switching positions	2

Front ring	
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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

<b>product function</b>	
• EMERGENCY OFF function	No
• EMERGENCY STOP function	No
<b>protection class IP</b>	IP66, IP67, IP69(IP69K)
<b>degree of protection NEMA rating</b>	1, 2, 3, 3R, 4, 4X, 12, 13
<b>shock resistance</b>	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>vibration resistance</b>	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>operating frequency maximum</b>	3 600 1/h
<b>mechanical service life (switching cycles)</b>	
• typical	3 000 000
<b>reference code acc. to DIN EN 81346-2</b>	S

#### Ambient conditions

environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %)
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#### Installation/ mounting/ dimensions

<b>height</b>	40 mm
<b>width</b>	40 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>	27.5 mm
<b>installation width</b>	40 mm
<b>installation depth</b>	24.4 mm

#### Certificates/ approvals

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

Marine / Shipping					other
 ABS	 LRS	 PRS	 RINA	 RMRS	<a href="#">Confirmation</a>

### 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=3SU1031-1BD70-0AA0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1031-1BD70-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1031-1BD70-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1031-1BD70-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1031-1BD70-0AA0&lang=en)



last modified:

09/25/2020