



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

<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	Mushroom pushbuttons
<b>design of the product</b>	Actuating/signaling element
<b>product type designation</b>	3SU1
<b>product line</b>	Plastic with metal front ring, matt, 22 mm
<b>Enclosure</b>	
<b>number of command points</b>	1
<b>Actuator</b>	
<b>design of the actuating element</b>	illuminated
<b>principle of operation of the actuating element</b>	momentary contact type
<b>product extension optional light source</b>	Yes
<b>color of the actuating element</b>	clear
<b>material of the actuating element</b>	plastic
<b>shape of the actuating element</b>	round
<b>outer diameter of the actuating element</b>	40 mm
<b>number of switching positions</b>	2
<b>Front ring</b>	
<b>product component front ring</b>	Yes
<b>design of the front ring</b>	Standard
<b>material of the front ring</b>	Metal, matt
<b>color of the front ring</b>	sand gray
<b>General technical data</b>	
<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>	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
<b>vibration resistance</b>	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
<b>operating frequency maximum</b>	3 600 1/h
<b>mechanical service life (switching cycles) typical</b>	3 000 000
<b>reference code according to IEC 81346-2</b>	S
<b>Substance Prohibitance (Date)</b>	10/01/2014
<b>Ambient conditions</b>	
<b>ambient temperature</b>	

- during operation
- during storage

-25 ... +70 °C

-40 ... +80 °C

environmental category during operation according to IEC 60721

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%)

#### 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	27.5 mm
installation width	40 mm
installation depth	24.4 mm

#### Certificates/ approvals

General Product Approval

Declaration of Conformity



[Confirmation](#)



Test Certificates

Marine / Shipping

[Type Test Certificates/Test Report](#)



other

[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=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)

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