

Selector switch, illuminable, 30 mm, round, Metal, matte, red, selector switch, short, front ring for flush installation, 3 switch positions I>O<II, momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, with laser labeling, upper case and lower case, always upper case at beginning of line



Product brand name	SIRIUS ACT
Product designation	Selector switches
Design of the product	Actuating/signaling element
Product type designation	3SU1
Product line	Metal, matt, flat, 30 mm

Enclosure	
Number of command points	1

Actuator	
Design of the operating mechanism	Selector, short
Manner of function of the actuating element	momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides
Product extension optional Light source	Yes
Color of the actuating element	red
Material of the actuating element	plastic
Shape of the actuating element	Handle
Outer diameter of the actuating element	38 mm
Marking of the actuating element	Customized labeling, text in lower case / capital letters, all lines start with capital letter
Number of switching positions	3

<b>Actuating angle</b>	
<ul style="list-style-type: none"> <li>• clockwise</li> <li>• anticlockwise</li> </ul>	45° 45°

### Front ring

<b>Product component front ring</b>	Yes
<b>Design of the front ring</b>	Flat
<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>Vibration resistance</b>	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	10 ... 500 Hz: 5g Category 1, Class B
<b>Operating frequency maximum</b>	1 800 1/h
<b>Mechanical service life (switching cycles)</b>	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	300 000
<b>Reference code acc. to DIN EN 81346-2</b>	S
<b>Reference code acc. to DIN EN 61346-2</b>	S

### Safety related data

<b>B10 value</b>	
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	300 000
<b>Proportion of dangerous failures</b>	
<ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> <li>• with high demand rate acc. to SN 31920</li> </ul>	20 % 20 %
<b>Failure rate [FIT]</b>	
<ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> </ul>	100 FIT
<b>T1 value for proof test interval or service life acc. to IEC 61508</b>	20 y

### 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>	44.8 mm
<b>Width</b>	38 mm

Shape of the installation opening	round
Mounting diameter	30.5 mm
Positive tolerance of installation diameter	0.5 mm
Mounting height	22.1 mm
Installation width	38 mm
Installation depth	32.1 mm

### Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
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CSA



UL



EG-Konf.

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

Test Certificates	Marine / Shipping
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[Special Test Certificate](#)



ABS



LRS



PRS



RINA



RMRS

Marine / Shipping	other
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DNVGL.COM/AF

[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?mfb=3SU1062-2DM20-0AA0-Z Y10>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SU1062-2DM20-0AA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1062-2DM20-0AA0-Z Y10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3SU1062-2DM20-0AA0-Z Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SU1062-2DM20-0AA0-Z Y10&lang=en)

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