

Selector switch, illuminable, 22 mm, round, plastic, green, selector switch, short, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/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	Plastic, black, 22 mm

Enclosure	
Number of command points	1

Actuator	
Design of the operating mechanism	Selector, short
Manner of function of the actuating element	latching, 90° (10:30 h/13:30 h)
Product extension optional Light source	Yes
Color of the actuating element	green
Material of the actuating element	plastic
Shape of the actuating element	Handle
Outer diameter of the actuating element	32.3 mm
Marking of the actuating element	Customized labeling, text in lower case / capital letters, all lines start with capital letter
Number of switching positions	2
Actuating angle	

- clockwise

90°

### Front ring

Product component front ring	Yes
Design of the front ring	standard
Material of the front ring	plastic
Color of the front ring	black

### General technical data

Protection class IP	IP66, IP67, IP69(IP69K)
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	<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
Vibration resistance	<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
Operating frequency maximum	1 800 1/h
Mechanical service life (switching cycles)	<ul style="list-style-type: none"> <li>• typical</li> </ul> 1 000 000
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	S

### Safety related data

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

### Ambient conditions





Ambient temperature	<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


Height	32.3 mm
Width	32.3 mm
Shape of the installation opening	round
Mounting diameter	22.3 mm

Positive tolerance of installation diameter	0.4 mm
Mounting height	28.8 mm
Installation width	32.3 mm
Installation depth	25.4 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>

Test Certificates	Marine / Shipping
<a href="#">Special Test Certificate</a>	 ABS  LRS  PRS  RINA  RMRS

Marine / Shipping	other
 DNV-GL DNVGL.COM/AF	<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=3SU1002-2BF40-0AA0-Z Y10>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BF40-0AA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BF40-0AA0-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?mlfb=3SU1002-2BF40-0AA0-Z Y10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BF40-0AA0-Z Y10&lang=en)

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