

Selector switch, illuminable, 22 mm, round, plastic with metal front ring, red, selector switch, short, 3 switch positions I-O<II, left latching, right 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	Plastic with metal front ring, matt, 22 mm

Enclosure	
Number of command points	1

Actuator	
Design of the operating mechanism	Selector, short
Manner of function of the actuating element	latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching
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	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	3

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

Front ring

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

Protection class IP	IP66, IP67, IP69(IP69K)
Degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 	Sinusoidal half-wave 50 g / 11 ms
<ul style="list-style-type: none"> • for railway applications acc. to DIN EN 61373 	Category 1, Class B
Vibration resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-6 	10 ... 500 Hz: 5g
<ul style="list-style-type: none"> • for railway applications acc. to DIN EN 61373 	Category 1, Class B
Operating frequency maximum	1 800 1/h
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> • typical 	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"> • with high demand rate acc. to SN 31920 	300 000
Proportion of dangerous failures	
<ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 	20 %
<ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 	20 %
Failure rate [FIT]	
<ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 	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"> • during operation 	-25 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-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



EG-Konf.

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

Test Certificates	Marine / Shipping
-------------------	-------------------

[Special Test Certificate](#)



ABS



LRS



PRS



RINA



RMRS

Marine / Shipping	other
-------------------	-------



DNV-GL
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=3SU1032-2BN20-0AA0-Z Y10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SU1032-2BN20-0AA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1032-2BN20-0AA0-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=3SU1032-2BN20-0AA0-Z Y10&lang=en

last modified:

02/18/2020