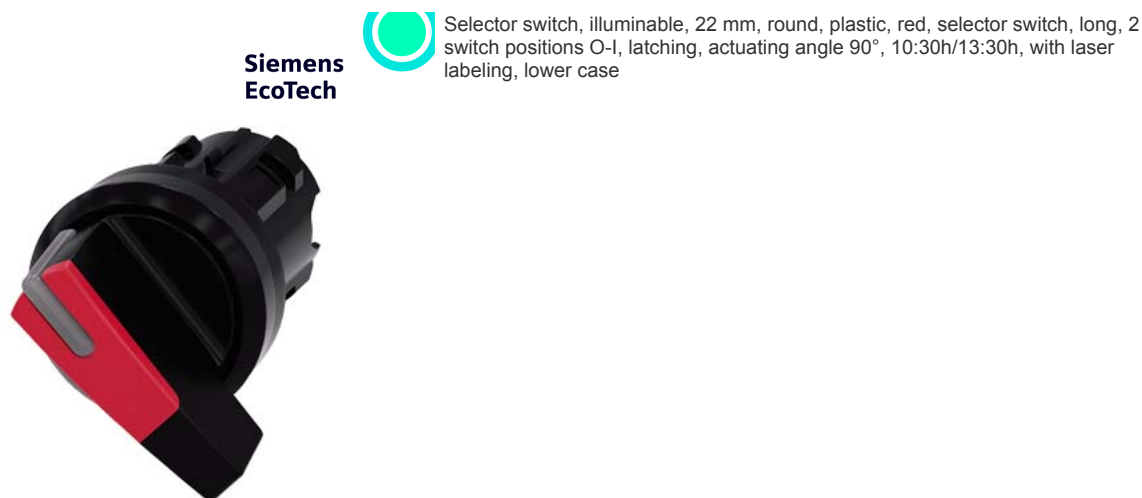




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Selector switch, illuminable, 22 mm, round, plastic, red, selector switch, long, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, with laser labeling, lower case

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 actuating element	selector, long
principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
product extension optional	
• light source	Yes
• contact module	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	44.8 mm
marking of the actuating element	Customized labeling, text in lower case letters
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	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
operating frequency maximum	1 800 1/h
mechanical service life (operating cycles) typical	1 000 000

reference code according to IEC 81346-2	S		
Substance Prohibittance (Date)	10/01/2014		
Weight	0.025 kg		
Safety related data			
proportion of dangerous failures			
• with low demand rate according to SN 31920	20 %		
• with high demand rate according to SN 31920	20 %		
B10 value with high demand rate according to SN 31920	100 000		
failure rate [FIT] with low demand rate according to SN 31920	100 FIT		
IEC 61508			
T1 value for proof test interval or service life according to IEC 61508	20 a		
Ambient conditions			
ambient temperature			
• during operation	-25 ... +70 °C		
• during storage	-40 ... +80 °C		
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%)		
Environmental footprint			
Environmental Product Declaration (EPD)	Yes		
Global Warming Potential [CO2 eq] total	0.787 kg		
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg		
Global Warming Potential [CO2 eq] during operation	0.235 kg		
Global Warming Potential [CO2 eq] after end of life	-0.015 kg		
Siemens Eco Profile (SEP)	Siemens EcoTech		
Installation/ mounting/ dimensions			
height	44.8 mm		
width	44.8 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	44.8 mm		
installation depth	25.4 mm		
Approvals Certificates			
<table> <tr> <td>General Product Approval</td><td>Test Certificates</td></tr> </table>		General Product Approval	Test Certificates
General Product Approval	Test Certificates		

[Confirmation](#)



[Type Test Certificates/Test Report](#)

Test Certificates	other	Environment
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[Special Test Certificate](#)

[Confirmation](#)



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[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3SU1002-2CF20-0AA0-Z Y12>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2CF20-0AA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2CF20-0AA0-Z Y12>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2CF20-0AA0-Z Y12&lang=en

last modified:

2/6/2024 