



Pushbutton, 22 mm, round, metal, shiny, green, pushbutton, raised momentary contact type, with laser labeling, upper case

product brand name	SIRIUS ACT
product designation	Pushbuttons
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Metal, shiny, 22 mm
Enclosure	
number of command points	1
Actuator	
design of the actuating element	Raised button
principle of operation of the actuating element	momentary contact type
product extension optional	
• light source	No
• contact module	Yes
color of the actuating element	green
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	29.5 mm
marking of the actuating element	Customized labeling, text in capital letters
Front ring	
product component front ring	Yes
design of the front ring	Standard
material of the front ring	Metal, high gloss
color of the front ring	silver
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
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
operating frequency maximum	3 600 1/h
mechanical service life (operating cycles) typical	10 000 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014
Net Weight	0.036 kg
Safety related data	
proportion of dangerous failures	
• with low demand rate according to SN 31920	20 %
• with high demand rate per NC contact according to SN	20 %

31920		
• with high demand rate per NO contact according to SN 31920	50 %	
B10 value with high demand rate according to SN 31920	10 000 000	
failure rate [FIT] with low demand rate per NC contact 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%)	
Installation/ mounting/ dimensions		
height	29.5 mm	
width	29.5 mm	
shape of the installation opening	round	
mounting diameter	22.3 mm	
positive tolerance of installation diameter	0.4 mm	
mounting height	16.2 mm	
installation width	29.5 mm	
installation depth	24.3 mm	
Approvals Certificates		
Environmental Product Declaration		
• global warming potential [CO2 eq] / during manufacturing	0.625 kg	
• global warming potential [CO2 eq] / during operation	0.235 kg	
• global warming potential [CO2 eq] / after end of life	-0.267 kg	
• global warming potential [CO2 eq] / total	0.593 kg	
Environment		
General Product Approval		
  Environmental Conformations   		
General Product Approval	Test Certificates	Maritime application
	Type Test Certificates/Test Report	Special Test Certificate
		
		
		
Maritime application		other
	Confirmation	
Further information		
Information on the packaging		
https://support.industry.siemens.com/cs/ww/en/view/109813875		
Information for data generation and storage		
https://support.industry.siemens.com/cs/ww/en/view/109995012		
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=3SU1050-0BB40-0AA0-Z Y11		
Cax online generator		
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-0BB40-0AA0-Z Y11		

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-0BB40-0AA0-Z_Y11

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-0BB40-0AA0-Z_Y11&lang=en

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