



Illuminated twin pushbutton, 22 mm, round, metal, shiny, green, red, pushbuttons, flat momentary contact type, with holder, 1 NO, 1 NC, LED module, with integrated LED 230 V AC, white, screw terminal

product brand name	SIRIUS ACT
product designation	Twin pushbuttons
design of the product	Complete unit
product type designation	3SU1
product line	Metal, shiny, 22 mm
manufacturer's article number	
• of supplied contact module at position 1	3SU1400-1AA10-1BA0
• of supplied contact module at position 2	3SU1400-1AA10-1CA0
• of supplied LED module	3SU1401-1BF60-1AA0
• of the supplied holder	3SU1550-0AA10-0AA0
• of the supplied actuator	3SU1051-3AB42-0AA0
number of command points	1
Actuator	
design of the actuating element	Buttons, flat
principle of operation of the actuating element	momentary contact type
product extension optional light source	Yes
color of the actuating element	green / red
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	29.45 mm
number of contact modules	2
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
Holder	
material of the holder	Plastic
Display	
number of LED modules	1
General technical data	
product function positive opening	Yes
product component light source	Yes
insulation voltage rated value	320 V
degree of pollution	3
type of voltage of the operating voltage	AC/DC

surge voltage resistance rated value	4 kV
protection class IP	IP66, IP67, IP69(IP69K)
protection class IP of the terminal	IP20
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15 g / 11 ms
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5 g
operating frequency maximum	3 600 1/h
mechanical service life (operating cycles) typical	3 000 000
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (day/month/year)	10/01/2014
SVHC substance name	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5
Net Weight	111.5 g
operating voltage	
• at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
• at DC rated value	5 ... 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
Supply voltage	
type of voltage of the supply voltage of the light source	AC
supply voltage of the light source at AC	
• at 50 Hz rated value	230 V
• at 60 Hz rated value	230 V
Control circuit/ Control	
inrush current of LED module maximum	3 A
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
Connections/ Terminals	
type of electrical connection	screw terminal
• of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
• solid with core end processing	2x (0.5 ... 0.75 mm ²)
• solid without core end processing	2x (1.0 ... 1.5 mm ²)
• finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
• finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)
• for AWG cables	2x (18 ... 14)
tightening torque of the screws in the bracket	1 ... 1.2 N·m
tightening torque with screw-type terminals	0.8 ... 0.9 N·m
Lamp	
type of light source	LED
color of the light source	white
light intensity	900 ... 1 400 mcd
Ambient conditions	
ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95%, no condensation in

60721		operation permitted for all devices behind front panel)	
Installation/ mounting/ dimensions			
fastening method		front plate mounting	
• of modules and accessories		Front plate mounting	
height		40 mm	
width		30 mm	
shape of the installation opening		round	
mounting diameter		22.3 mm	
positive tolerance of installation diameter		0.4 mm	
mounting height		11 mm	
installation width		29.5 mm	
installation depth		49.7 mm	
Environmental footprint			
Environmental Product Declaration(EPD)		Yes	
global warming potential [CO2 eq] total		0.593 kg	
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	
Siemens eco profile (SEP)		Siemens EcoTech	
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 Confirmations		    	
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=3SU1158-3AB42-1MA0>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1158-3AB42-1MA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1158-3AB42-1MA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1158-3AB42-1MA0&lang=en

