



product brand name	SIRIUS ACT
product designation	Mushroom pushbuttons
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	illuminated
principle of operation of the actuating element	momentary contact type
product extension optional light source	Yes
color of the actuating element	clear
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	30 mm
marking of the actuating element	Customized labeling, graphical symbols acc. to ISO7000 and IEC60417
number of switching positions	2
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	
product function	
• EMERGENCY OFF function	No
• EMERGENCY STOP function	No
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	3 600 1/h
mechanical service life (operating cycles) typical	3 000 000
reference code according to IEC 81346-2	S

Substance Prohibittance (Date)		10/01/2014	
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		30 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		27.5 mm	
installation width		30 mm	
installation depth		24.4 mm	
Approvals Certificates			
General Product Approval		Test Certificates	Marine / Shipping
 CSA Confirmation  UL  Type Test Certificates/Test Report  ABS			
Marine / Shipping		other	Environment
 LRS  PRS  RINA Confirmation  EPD 			
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=3SU1001-1AD70-0AA0-Z Y13 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-1AD70-0AA0-Z Y13 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-1AD70-0AA0-Z Y13 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-1AD70-0AA0-Z Y13&lang=en			

last modified:

2/7/2024 

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