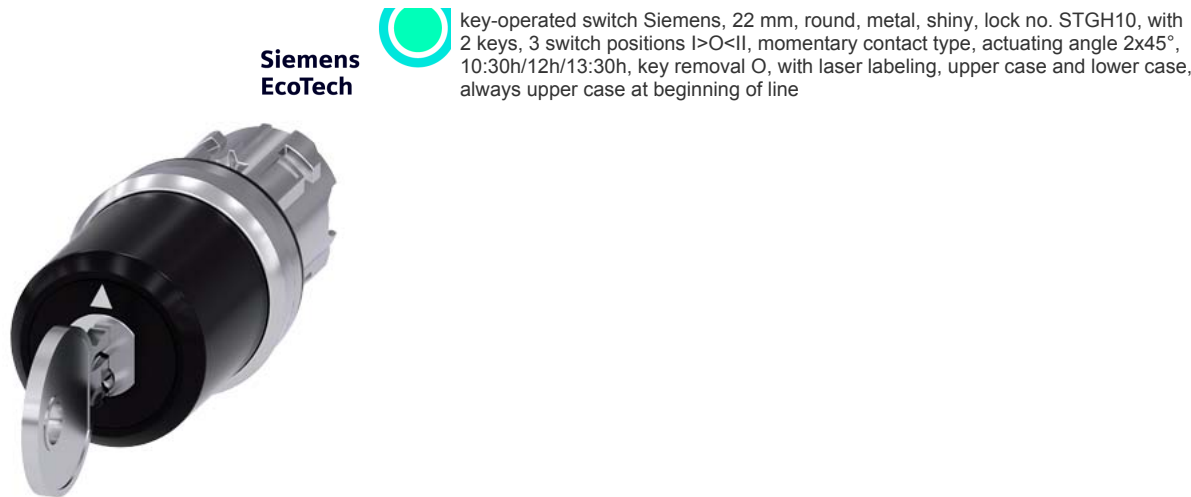




product brand name	SIRIUS ACT
product designation	Key-operated switches
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Metal, shiny, 22 mm
Actuator	
principle of operation of the actuating element	momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides
product extension optional light source	No
color	
• of the actuating element	silver
material of the actuating element	metal
shape of the actuating element	Key
outer diameter of the actuating element	29.5 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
switch position for key distraction	O
actuating angle	
• clockwise	45°
• anticlockwise	45°
lock make	Siemens
key number	STGH10
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)
• 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 15g / 11 ms
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
operating frequency maximum	1 800 1/h
mechanical service life (operating cycles) typical	300 000

reference code according to IEC 81346-2	S	
Substance Prohibittance (Date)	10/01/2014	
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	500 000	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
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	0.593 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	
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	61 mm	
installation width	29.5 mm	
installation depth	25.4 mm	
Approvals Certificates		
General Product Approval	Test Certificates	Marine / Shipping
Confirmation	Type Test Certificates/Test Report	Special Test Certificate
		
Marine / Shipping	other	Environment
		
		
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=3SU1050-5LM01-0AA0-Z Y10 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5LM01-0AA0-Z Y10 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5LM01-0AA0-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?mlfb=3SU1050-5LM01-0AA0-Z Y10&lang=en		
last modified: 3/2/2024 		

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