## **SIEMENS**

## **Data sheet**



key-operated switch Siemens, 22 mm, round, metal, shiny, lock number SSG10, with 2 keys, 2 switch positions O-I, latching, actuating angle  $90^\circ$ , 10:30h/13:30h, key removal I

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		
manufacturer's article number of included key	3SU1950-0FP80-0AA0		
Actuator			
principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)		
product extension optional light source	No		
color			
<ul> <li>of the actuating element</li> </ul>	silver		
material of the actuating element	metal		
shape of the actuating element	Key		
outer diameter of the actuating element	29.5 mm		
number of switching positions	2		
switch position for key distraction	I		
actuating angle			
• clockwise	90°		
lock make	Siemens		
key number	SSG10		
Front ring	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 Prohibitance (Date)	10/01/2014		
Safety related data			
proportion of dangerous failures			
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %		

failure rate [FIT] with low demand rate according to SN 31920 100 000 1EC 62061 100 000 1EC 62061 100 000 1EC 621508 100 000 1EC 61508 100 000 1EC 61701 100 000 1EC 61508 100 1EC 61508 100 000 1EC 61508 100 1EC 61508 1	<ul> <li>with high demand rate according to SN 31920</li> </ul>	20 %	
B10 value with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  IEC 62061  T value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage • 40 +80 °C  environmental category during operation according to IEC 61048  Environmental footprint  Environmental footprint  Environmental product Declaration(EPD) Yes  Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation U235 kg Global Warming Potential [CO2 eq] after end of life -0.267 kg  Installation/ mounting/ dimensions  height 29.5 mm width 29.5 mm  shape of the installation opening mounting diameter  positive tolerance of installation diameter mounting height installation width 29.5 mm installation width 29.5 mm  installation width 29.5 mm  installation width 29.5 mm  installation width 29.5 mm  installation width 29.5 mm  installation width 29.5 mm			
IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD) Yes Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation CO2 eq] during operation  2.9.5 mm width 2.9.5 mm width 2.9.5 mm positive tolerance of installation diameter positive tolerance of installation diameter installation width 2.9.5 mm		100 F11	
T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature	B10 value with high demand rate according to SN 31920	100 000	
IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Froduct Declaration(EPD)  Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2	IEC 62061		
ambient temperature  • during operation • during storage  environmental category during operation according to IEC environmental category during operation according to IEC 80721  Environmental Froduct Declaration(EPD)  Environmental Product Declaration(EPD)  Yes  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] after end of life  10.235 kg  Installation/ mounting/ dimensions  width  29.5 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  mounting height  installation width  29.5 mm  installation width  29.5 mm  for mounting height  for mm  installation width  29.5 mm  jositive tolerance of installation diameter  mounting height  for mm  installation depth  25.4 mm		20 a	
• during operation • during storage • an +80 °C  environmental category during operation according to IEC 60721  Environmental Froduct Declaration(EPD)  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] after end of life  -0.267 kg  Installation/ mounting/ dimensions  height  29.5 mm  width  29.5 mm  shape of the installation opening  mounting diameter  22.3 mm  positive tolerance of installation diameter  mounting height  installation width  29.5 mm  installation width  29.5 mm  installation width  29.5 mm	Ambient conditions		
<ul> <li>during storage</li> <li>-40 +80 °C</li> <li>environmental category during operation according to IEC 60721</li> <li>3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%)</li> <li>Environmental Froduct Declaration(EPD)</li> <li>Yes</li> <li>Global Warming Potential [CO2 eq] total</li> <li>0.593 kg</li> <li>Global Warming Potential [CO2 eq] during manufacturing</li> <li>0.625 kg</li> <li>Global Warming Potential [CO2 eq] during operation</li> <li>0.235 kg</li> <li>Global Warming Potential [CO2 eq] after end of life</li> <li>-0.267 kg</li> <li>Installation/ mounting/ dimensions</li> <li>height</li> <li>29.5 mm</li> <li>width</li> <li>29.5 mm</li> <li>shape of the installation opening</li> <li>round</li> <li>mounting diameter</li> <li>positive tolerance of installation diameter</li> <li>mounting height</li> <li>61 mm</li> <li>installation width</li> <li>29.5 mm</li> <li>installation depth</li> <li>25.4 mm</li> </ul>	ambient temperature		
environmental category during operation according to IEC 60721  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 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	<ul> <li>during operation</li> </ul>	-25 +70 °C	
Environmental Froduct Declaration(EPD)  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] after end of life  Journal of li	during storage	-40 +80 °C	
Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] after end of life  -0.267 kg  Installation/ mounting/ dimensions  height  29.5 mm  width  29.5 mm  shape of the installation opening  mounting diameter  positive tolerance of installation diameter  mounting height  61 mm  installation width  29.5 mm  installation depth		3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%)	
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 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	Environmental footprint		
Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] after end of life  -0.267 kg  Installation/ mounting/ dimensions  height  29.5 mm  width  29.5 mm  shape of the installation opening  mounting diameter  22.3 mm  positive tolerance of installation diameter  mounting height  installation width  29.5 mm  61 mm  installation depth  25.4 mm	Environmental Product Declaration(EPD)	Yes	
Global Warming Potential [CO2 eq] during operation 0.235 kg Global Warming Potential [CO2 eq] after end of life -0.267 kg 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	Global Warming Potential [CO2 eq] total	0.593 kg	
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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	Installation/ mounting/ dimensions		
shape of the installation opening 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	height	29.5 mm	
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	width	29.5 mm	
positive tolerance of installation diameter 0.4 mm mounting height 61 mm installation width 29.5 mm installation depth 25.4 mm	shape of the installation opening	round	
mounting height 61 mm installation width 29.5 mm installation depth 25.4 mm	mounting diameter	22.3 mm	
installation width 29.5 mm 25.4 mm	positive tolerance of installation diameter	0.4 mm	
installation depth 25.4 mm	mounting height	61 mm	
	installation width	29.5 mm	
Approvals Certificates	installation depth	25.4 mm	



**General Product Approval** 

Confirmation







**Declaration of Conformity** 



**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









other

**Environment** 

Confirmation

Environmental Confirmations

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

Information- and Downloadcenter (Catalogs, Brochures,...)

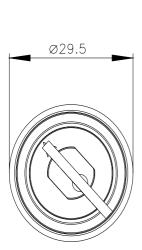
https://www.siemens.com/ic10

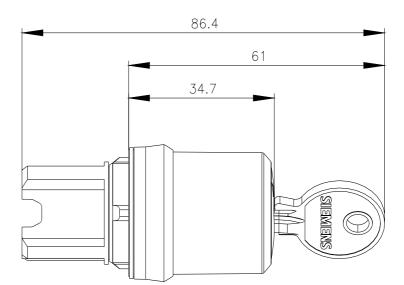
Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-5BF21-0AA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5BF21-0AA0





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