## **SIEMENS**

## **Data sheet**



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

product designation  design of the product product type designation product tiline plastic, black, 22 mm manufacturer's article number of included key  Actuator  Principle of operation of the actuating element product extension optional light source color of the actuating element shape of the actuating element shape of the actuating element shape of the actuating element marrial of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element actuating number of switching positions switch position for key distraction actuating angle oclockwise lock make key number SSG10  Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring degree of protection NEMA rating sinusoidal half-wave 15n / 11 ms sinusoidal half-wave 15n / 11 ms sinusoidal half-wave 15n / 11 ms	product brand name	SIRIUS ACT
product type designation product line manufacturer's article number of included key  Matuator principle of operation of the actuating element product extension optional light source  of the actuating element material of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in lower case number of switching positions  switch position for key distraction actuating angle clockwise  lock make sey number  SSG10  Front ring product component front ring design of the front ring material of the front ring color of the front ring plastic color of the front ring element plastic plastic plastic protection class IP of the front resident of the	product designation	Key-operated switches
product line Plastic, black, 22 mm manufacturer's article number of included key 3SU1950-0FP80-0AA0  Actuator  principle of operation of the actuating element product extension optional light source No color  • of the actuating element silver material of the actuating element Material Material of the actuating element Material Materi	design of the product	Actuating/signaling element
manufacturer's article number of included key  Actuator  principle of operation of the actuating element product extension optional light source  of the actuating element material of the actuating element silver material of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in lower case number of switching positions  switch position for key distraction actuating angle olockwise lock make Siemens key number Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring fless in the front ring product component front ring design of the front ring product component front ring fless in the front ring plastic color of the front ring protection class IP of the terminal degree of protection NEMA rating shock resistance	product type designation	3SU1
Principle of operation of the actuating element product extension optional light source No of the actuating element silver material of the actuating element metal shape of the actuating element Key outer diameter of the actuating element Any inscription, text in lower case number of switching positions 2 switch position for key distraction actuating angle oclock make Siemens Scoto Pront ring Product component front ring Standard material of the front ring plastic color of the front ring black  General technical data protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	product line	Plastic, black, 22 mm
principle of operation of the actuating element product extension optional light source  color  of the actuating element material of the actuating element shape of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in lower case number of switching positions switch position for key distraction actuating angle clockwise lock make key number SSG10  Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring protection class IP of the terminal degree of protection NEMA rating silver latching 90° (10:30 h/13:30 h) No	manufacturer's article number of included key	3SU1950-0FP80-0AA0
product extension optional light source  of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in lower case number of switching positions  switch position for key distraction actuating angle oclockwise  lock make key number SSG10  Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring protection class IP of the terminal degree of protection NEMA rating shock resistance	Actuator	
color  • of the actuating element  material of the actuating element  shape of the actuating element  were context of the actuating element  shape of the actuating element  were context of the actuating element  marking of the actuating element  marking of the actuating element  Any inscription, text in lower case  number of switching positions  2  switch position for key distraction  octuating angle  • clockwise  lock make  siemens  key number  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  plastic  color of the front ring  protection class IP  • of the terminal  degree of protection NEMA rating  shock resistance	principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
of the actuating element     material of the actuating element     shape of the actuating element     outer diameter of the actuating element     marking of the actuating element     marking of the actuating element     any inscription, text in lower case     number of switching positions     2     switch position for key distraction     actuating angle     oclockwise     lock make     Siemens     key number     Front ring     product component front ring     design of the front ring     material of the front ring     color of the front ring     plastic     color of the front class IP     of the terminal     degree of protection NEMA rating     shock resistance      silver     metal         Key     metal     selement     subscription, text in lower case     on     selement     selement     selement     selement     selement     selement     standard     plastic     color of the front ring     plastic     color of the front ring     slack     General technical data     protection class IP     of the terminal     lego     degree of protection NEMA rating     1, 2, 3, 3R, 4, 4X, 12, 13	product extension optional light source	No
material of the actuating element shape of the actuating element weter of the actuating element marking of the actuating element marking of the actuating element number of switching positions switch position for key distraction actuating angle clockwise goo lock make sey number sey number sey of the front ring design of the front ring material of the front ring color of the front ring protection class IP of the terminal element sey	color	
shape of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions switch position for key distraction actuating angle oclockwise lock make sey number Front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP of the terminal degree of protection NEMA rating switch position, text in lower case 29.5 mm Any inscription, text in lower case 29.5 mm Any inscription case 29.5 mm Any inscription case 29.5 mm Any inscription case 29.5 mm Any inscription,	<ul> <li>of the actuating element</li> </ul>	silver
outer diameter of the actuating element marking of the actuating element number of switching positions 2 switch position for key distraction octuating angle clockwise lock make siemens key number SSG10  Front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP of the terminal degree of protection NEMA rating switch position, text in lower case Any inscription, text in lower case  Any inscription, text in lower case  29.5 mm Any inscription, text in lower case  Any inscription, text in lower case  2 switch position, text in lower case  3 switch position for key discription, text in lower case  4 position for key discription, text in lower case  2 switch position for key discription, text in lower case  4 position for key discription, text in lower case  5 switch position for key discription, text in lower case  90°  Scaling for a suitable for a	material of the actuating element	metal
marking of the actuating element number of switching positions switch position for key distraction octuating angle oclockwise lock make siemens key number Front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP of the terminal degree of protection NEMA rating switch position, text in lower case  2 Any inscription, text in lower case 2 Semens Scandard  90° Siemens SSG10 Front ring Yes design of the front ring plastic black General technical data protection class IP of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	shape of the actuating element	Key
number of switching positions  switch position for key distraction  actuating angle  ● clockwise  90°  lock make  key number  SSG10  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  protection class IP  ● of the terminal  degree of protection NEMA rating  switch position  O  Siemens  SSG10  Yes  Standard  plastic  black  General technical data  IP66, IP67, IP69(IP69K)  ● of the terminal  IP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13	outer diameter of the actuating element	29.5 mm
switch position for key distraction  actuating angle  • clockwise  90°  lock make  Siemens  key number  SSG10  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  black  General technical data  protection class IP  • of the terminal  degree of protection NEMA rating  siemens  Siemens  Yes  Standard  plastic  plastic  black  IP66, IP67, IP69(IP69K)  • of the terminal  IP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	marking of the actuating element	Any inscription, text in lower case
actuating angle	number of switching positions	2
● clockwise 90°   lock make Siemens   key number SSG10   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   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	switch position for key distraction	0
lock make key number SSG10  Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring black  General technical data protection class IP of the terminal lP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	actuating angle	
key number  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  black  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  SSG10  Yes  Standard  plastic  plastic  plack  IP66, IP67, IP69(IP69K)  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13	<ul><li>clockwise</li></ul>	90°
Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  black  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  Yes  Standard  plastic  plastic  plastic  plack  IP66, IP67, IP69(IP69K)  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13	lock make	Siemens
product component front ring  design of the front ring  material of the front ring  color of the front ring  black  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  Yes  Standard  plastic  plastic  plack  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13	key number	SSG10
design of the front ring material of the front ring plastic color of the front ring black  General technical data protection class IP of the terminal lP20 degree of protection NEMA rating shock resistance  Standard plastic plastic lPack lP66, IP67, IP69(IP69K) IP20 IP20	Front ring	
material of the front ring plastic color of the front ring black  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	product component front ring	Yes
color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  black  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13	design of the front ring	Standard
General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13	material of the front ring	plastic
protection class IP  of the terminal  degree of protection NEMA rating shock resistance  IP66, IP67, IP69(IP69K) IP20  1, 2, 3, 3R, 4, 4X, 12, 13	color of the front ring	black
● of the terminal IP20  degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance	General technical data	
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	protection class IP	IP66, IP67, IP69(IP69K)
shock resistance	of the terminal	IP20
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
<ul> <li>according to IEC 60068-2-27</li> <li>sinusoidal half-wave 15g / 11 ms</li> </ul>	shock resistance	
Sillusolida Hall-Wave Tog/ 11 His	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373 Category 1, Class B	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	vibration resistance	
• according to IEC 60068-2-6 10 500 Hz: 5g	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
• for railway applications according to EN 61373 Category 1, Class B	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
operating frequency maximum 1 800 1/h	operating frequency maximum	1 800 1/h
mechanical service life (switching cycles) typical 1 000 000	mechanical service life (switching cycles) typical	1 000 000
reference code according to IEC 81346-2	reference code according to IEC 81346-2	S

Substance Prohibitance (Date)	10/01/2014
Safety related data	
B10 value with high demand rate according to SN 31920	100 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-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	61 mm
installation width	29.5 mm
installation depth	25.4 mm
Certificates/ approvals	
Further information	

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=3SU1000-5BF01-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5BF01-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5BF01-0AA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3SU1000-5BF01-0AA0-Z Y12&lang=en

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