## **SIEMENS**

## **Data sheet**



key-operated switch Siemens, 22 mm, round, plastic, lock number SSG10, with 2 keys, 3 switch positions I>O<II, momentary contact on the left, latching on the right, actuating angle 2x45°, 10:30h/12h/13:30h, key removal O, with laser labeling, upper case

product designation design of the product product type designation product type designation product type designation product tine manufacturer's article number of included key assuring to product pr	product brand name	SIRIUS ACT
design of the product product type designation product line 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 material of the actuating element material of the actuating element marking of the actuating pelement marking of the actuating element Any inscription, text in upper case number of switching positions switch position for key distraction actuating angle clockwise anticlockwise aticlockwise aticlockwise selement Afore the actuating element Silver marking of the actuating element Any inscription, text in upper case number of switching positions switch position for key distraction actuating angle clockwise aticlockwise aticloc	product designation	Key-operated switches
product type designation product line Plastic, black, 22 mm manufacturer's article number of included key  Actuator  principle of operation of the actuating element left, right latching product extension optional light source No  of the actuating element material of the actuating element will reft. right latching shape of the actuating element metal shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the actuating element will reft. right latching shape of the sactuating element will reft. right latching shape of the sactuating element will reft. right latching shape of the sactuating element will reft. right latching shape of the sactuating element will reft. right latching shape of the sactuating element will reft. right latching shape of the sactuating element will reft. right latching shape of the sactuating element reft. right latching shape of the sactuation reft. right latching shape of the sactuation reft. right latching shape of the sactuation reft.	· · · · · · · · · · · · · · · · · · ·	Actuating/signaling element
product line manufacturer's article number of included key Actuator  principle of operation of the actuating element  momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching  product extension optional light source color  of the actuating element  silver  material of the actuating element  shape of the actuating element  marking of the actuating element  number of switching positions  switch position for key distraction  actuating angle  clockwise  anticlockwise  anticlockwise  front ring  product component front ring design of the front ring  color of the front ring  sland  color of the front ring design of the front ring  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  Category 1, Class B  Please  lock actuation according to EN 61373  Category 1, Class B		
manufacturer's article number of included key  Actuator  principle of operation of the actuating element  momentary contact/latching, 2x45* (10:30 h/12 h/13:30 h), return from left, right latching  product extension optional light source  olor  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  marking of the actuating element  number of switching positions  switch position for key distraction  actuating angle  clockwise  anticlockwise  skey number  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  design of the front ring  design of the front ring  potential data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  Category 1, Class B  for allway applications according to EN 61373  Category 1, Class B		Plastic, black, 22 mm
Actuator  principle of operation of the actuating element product extension optional light source color of the actuating element silver material of the actuating element shape of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in upper case actuating positions switch position for key distraction actuating angle clockwise santiclockwise anticlockwise santiclockwise santiclockw	manufacturer's article number of included key	
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color  • of the actuating element material of the actuating element shape of the actuating element well shape of the actuating element cuter diameter of the actuating element marking of the actuating element Any inscription, text in upper case number of switching positions 3 switch position for key distraction O actuating angle clockwise 45° anticlockwise 45° anticlockwise Siemens key number SSG10  Front ring product component front ring design of the front ring plastic color of the front ring black  General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 Category 1, Class B  vibration resilvance of tor railway applications according to EN 61373 Category 1, Class B  vice of the text of the content of the co	principle of operation of the actuating element	, , , , , , , , , , , , , , , , , , ,
of the actuating element     material of the actuating element     shape of the actuating element     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     oactuating angle     oclockwise     oanticlockwise     anticlockwise     idock make     key number     Seg10  Front ring  product component front ring     design of the front ring     design of the front ring     plastic     color of the front ring     color of the front ring     idock mate      idock mate      indesign of the front ring     indesign o	product extension optional light source	No
material of the actuating element shape of the actuating element shape of the actuating element pure diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise anticlockwise anticlockwise swy number scale black sey number scale standard product component front ring design of the front ring product component 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 according to IEC 60068-2-27 for railway applications according to EN 61373 category 1, Class B  wibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B	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 octuating angle eclockwise anticlockwise anticlockwise 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 shock resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 Vibration resistance ecceptage in the finance of the finance of the section of the: occording to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	<ul> <li>of the actuating element</li> </ul>	silver
outer diameter of the actuating element     29.5 mm       marking of the actuating positions     3       switch position for key distraction     0       actuating angle <ul> <li>clockwise</li> <li>anticlockwise</li> <li>anticlockwise</li> <li>for anticlockwise</li> </ul> 45°           lock make         Siemens           key number         SSG10           Front ring         Yes           design of the front ring         Standard           material of the front ring         plastic           color of the front ring         black           General technical data         IP20           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           of or railway applications according to EN 61373         Category 1, Class B           vibration resistance         according to IEC 60068-2-6         10 500 Hz: 5g           of or railway applications according to EN 61373         Category 1, Class B	material of the actuating element	metal
marking of the actuating element number of switching positions switch position for key distraction octuating angle octockwise anticlockwise anticlockwise seanticlockwise lock make key number Front ring product component front ring design of the front ring material of the front ring color of the front ring general technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	shape of the actuating element	Key
number of switching positions switch position for key distraction octuating angle oclockwise onticlockwise 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 shock resistance occording to IEC 60068-2-7 of or railway applications according to EN 61373  vibration resistance occording to IEC 60068-2-6 of or railway applications according to EN 61373  clock d5°	outer diameter of the actuating element	29.5 mm
switch position for key distraction  actuating angle  • clockwise • anticlockwise • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  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  plastic  color of the terminal  protection class IP • of the terminal  degree of protection NEMA rating  shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  Category 1, Class B	marking of the actuating element	Any inscription, text in upper case
actuating angle	number of switching positions	3
clockwise     anticlockwise     A5°     anticlockwise     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     plastic     color of the front ring     protection class IP     of the terminal     degree of protection NEMA rating     shock resistance     according to IEC 60068-2-27     of or railway applications according to EN 61373     Category 1, Class B     vibration resistance     oaccording to IEC 60068-2-6     of railway applications according to EN 61373     Category 1, Class B  viagnatical singular according to EN 61373     Category 1, Class B	switch position for key distraction	0
e anticlockwise  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  shock resistance  e according to IEC 60068-2-27  of tor railway applications according to EN 61373  vibration resistance  e according to IEC 60068-2-6  of railway applications according to EN 61373  value  Siemens  Yes  Siemens  Yes  Standard  plastic  plastic  black  Ble6, IP67, IP69(IP69K)  IP20  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  Category 1, Class B  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  Category 1, Class B	actuating angle	
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 black  General technical data protection class IP of the terminal lP20 degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373  vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  Category 1, Class B	• clockwise	45°
key number  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  general technical data  protection class IP  of the terminal  lP20  degree of protection NEMA rating  shock resistance  o according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  o according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B	<ul><li>anticlockwise</li></ul>	45°
product component front ring  design of the front ring  material of the front ring  color of the front ring  plastic  black  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  • according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B  vibration resistance  • according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B	lock make	Siemens
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  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B  vibration resistance  according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B	key number	SSG10
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 lP20  degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of railway applications according to EN 61373  vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373  Category 1, Class B  vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373  Category 1, Class B	Front ring	
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color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  of according to IEC 60068-2-27  of tor railway applications according to EN 61373  vibration resistance  of according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B  vibration resistance  of according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B  Category 1, Class B  Category 1, Class B	design of the front ring	Standard
protection class IP of the terminal lP20 degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of to railway applications according to EN 61373 vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B  vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	material of the front ring	plastic
protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  of according to IEC 60068-2-27  of tor railway applications according to EN 61373  vibration resistance  of according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B  vibration resistance  of according to IEC 60068-2-6  of or railway applications according to EN 61373  Category 1, Class B  Category 1, Class B	color of the front ring	black
● of the terminal  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	General technical data	
degree of protection NEMA rating  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	protection class IP	IP66, IP67, IP69(IP69K)
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	of the terminal	IP20
<ul> <li>according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms</li> <li>for railway applications according to EN 61373 Category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6 10 500 Hz: 5g</li> <li>for railway applications according to EN 61373 Category 1, Class B</li> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
● for railway applications according to EN 61373  Vibration resistance  ● according to IEC 60068-2-6  ● for railway applications according to EN 61373  Category 1, Class B  10 500 Hz: 5g  Category 1, Class B	shock resistance	
vibration resistance         ● according to IEC 60068-2-6       10 500 Hz: 5g         ● for railway applications according to EN 61373       Category 1, Class B	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> </ul>	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
• for railway applications according to EN 61373 Category 1, Class B	vibration resistance	
	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
operating frequency maximum 1 800 1/h	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
	operating frequency maximum	1 800 1/h

mechanical service life (switching cycles) typical	1 000 000
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	300 000
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
<ul> <li>during storage</li> </ul>	-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=3SU1000-5BP01-0AA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5BP01-0AA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5BP01-0AA0-Z Y11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-5BP01-0AA0-Z Y11&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-5BP01-0AA0-Z Y11&lang=en</a>

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