## **SIEMENS**

## **Data sheet**



key-operated switch Siemens, 22 mm, round, plastic with metal front ring, 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, lower case

product designation design of the product product type designation product extension of the actuating element product extension optional light source of the actuating element product extension optional light source of the actuating element material of the actuating element shape of the actuating element which is actuating element product extension optional light source outer diameter of the actuating element product extension optional light source product extension optional light source product extension optional light source No color outer diameter of the actuating element product over diameter of the actuating element product over diameter of the actuating element product over dismeter of the actuating element product over dismeter of the actuating element product over dismeter of the actuating element product extension positions and the actuating element product over dismeter of the actuating element product over case over dismeter over actual product over case product over case over dismeter over actual product over case product over case over dismeter over actual product over case over actual product over actual	product brand name	SIRIUS ACT
product type designation product line Plastic with metal front ring, matt, 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 of the actuating element silver material of the actuating element Metal shape of the actuating element Metal shape of the actuating element Any inscription, text in lower case marking of the actuating element Any inscription, text in lower case mumber of switching positions switch position for key distraction actuating angle elockwise enticokwise enticokwise sent of the control of the control of the front ring product component front ring design of the front ring material of the front ring sand gray  General technical data  protection class IP enticotion (E0068-2-6 entirely for all and included in the foor time entirely applications according to EN 61373  SSG 10	product designation	Key-operated switches
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 silver material of the actuating element making of the actuating element marking of the actuating element marking of the actuating element marking of the actuating selement marking of the actuating element marking of the actuating element anumber of switching positions switch position for key distraction olockwise olockwise anticlockwise front ring product component front ring design of the front ring dosign of the front ring color of the front ring dosign of the front ring sand gray  General technical data  protection class IP of the imminal shock resistance according to IEC 60068-2-6 of crailway applications according to EN 61373 Category 1, Class B	design of the product	Actuating/signaling element
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  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  Any inscription, text in lower case  number of switching positions  switch position for key distraction  octuating angle  clockwise  anticlockwise  see anticlockwise  front ring  product component front ring  design of the front ring  material of the front ring  material of the front ring  general technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  Category 1, Class B	product type designation	3SU1
Actuator  principle of operation of the actuating element left, right latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching  product extension optional light source No  of the actuating element silver material of the actuating element Metal Shape of the actuating element Marking of the actuating element Any inscription, text in lower case number of switching positions 3 switch position for key distraction Oatuating angle clockwise 45° anticlockwise 45° anticlockwise 45° anticlockwise 45° solution from tring Yes design of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Sand gray  General technical data protection class IP of the terminal People of the front ind Shock resistance according to IEC 60068-2-27 of for railway applications according to EN 61373  Vibration resistance according to IEC 60068-2-6 of rrailway applications according to EN 61373  Category 1, Class B	product line	Plastic with metal front ring, matt, 22 mm
principle of operation of the actuating element  product extension optional light source  color  of the actuating element shape of the actuating element material of the actuating element shape of the actuating element wouter diameter of the actuating element marking of the actuating element marking of the actuating element anumber of switching positions switch position for key distraction actuating angle clockwise anticlockwise senticlockwise front ring product component front ring design of the front ring material of the front ring general technical data protection actuating element  Pee (Pee (Pee (Pee (Pee (Pee (Pee (Pee	manufacturer's article number of included key	3SU1950-0FP80-0AA0
left, right latching	Actuator	
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 Any inscription, text in lower case number of switching positions switch position for key distraction octuating angle clockwise anticlockwise 45° anticlockwise 45° anticlockwise Siemens key number SSG10  Front ring product component front ring design of the front ring color of the front ring material of the front ring sand gray  General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-8 of or railway applications according to EN 61373 Category 1, Class B  Vibration resilvance according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	principle of operation of the actuating element	
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 3 switch position for key distraction octuating angle octockwise anticlockwise anticlockwise toky number  Front ring  product component front ring design of the front ring material of the front ring sand gray  General technical data  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  et al. May inscription, text in lower case  metal show any inscription, text in lower case  number and show any inscription, text in lower case  ### 45°	product extension optional light source	No
material of the actuating element shape of the actuating element vey outer diameter of the actuating element marking of the actuating element number of switching positions switch position for key distraction octuating angle oclockwise defined sey number  Front ring product component front ring design of the front ring material of the front ring material of the front ring general technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-6 of railway applications according to EN 61373 Category 1, Class B  Vibration resistance output fined specific of the sey of the contact of th	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 eclockwise anticlockwise anticlockwise siemens key number Front ring product component front ring design of the front ring material of the front ring material of the front ring general technical data protection class IP of the terminal lip20 degree of protection NEMA rating shock resistance according to IEC 60068-2-6 of for railway applications according to EN 61373 Vibration resistance according to IEC 60068-2-6 of ror railway applications according to EN 61373 Category 1, Class B	of the actuating element	silver
outer diameter of the actuating element marking of the actuating element number of switching positions switch position for key distraction octuating angle eclockwise for anticlockwise enticlockwise silemens key number Front ring product component front ring design of the front ring material of the front ring sand gray  General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance eaccording to IEC 60068-2-6 of or railway applications according to EN 61373 enable silemens Any inscription, text in lower case Any inscription, text in lower case  As actuating angle  As actu	material of the actuating element	metal
marking of the actuating element number of switching positions switch position for key distraction o actuating angle • clockwise • anticlockwise • 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 sand gray  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  Vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  Category 1, Class B  Any inscription, text in lower case  Any inscription, text in lower case  3 3 3 3 3 3 3 3 45  Pes  45°  45°  45°  45°  45°  45°  45°  45	shape of the actuating element	Key
number of switching positions switch position for key distraction  actuating angle	outer diameter of the actuating element	29.5 mm
switch position for key distraction  actuating angle  • clockwise • anticlockwise  • anticlockwise  Iock 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 • 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  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 lower case
actuating angle	number of switching positions	3
clockwise anticlockwise 45° lock make Siemens key number SSG10  Front ring  product component front ring design of the front ring material of the front ring Metal, matt color of the front ring sand gray  General technical data  protection class IP of the terminal lP20  degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms of or 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  Category 1, Class B	switch position for key distraction	0
anticlockwise  lock make  key number  Siemens  Ves  design of the front ring  Metal, matt  sand gray  General technical data  protection class IP  of the terminal  logous  degree of protection NEMA rating  shock resistance  of according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  of railway applications according to EN 61373  vibration resistance  of railway applications according to EN 61373  Category 1, Class B  Category 1, Class B  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 sand gray  General technical data protection class IP of the terminal leg20 degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms 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	• clockwise	45°
Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring General technical data protection class IP of the terminal lP20 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 of railway applications according to EN 61373 Category 1, Class B  Category 1, Class B	anticlockwise	45°
product component front ring  design of the front ring  material of the front ring  Metal, matt  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  for 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  Category 1, Class B  Category 1, Class B	lock make	Siemens
product component front ring  design of the front ring  material of the front ring  Metal, matt  color of the front ring  Sand gray  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  Category 1, Class B  Category 1, Class B	key number	SSG10
design of the front ring  material of the front ring  Metal, matt  color of the front ring  Standard  Metal, matt  sand gray  General technical data  protection class IP  of the terminal  lP20  degree of protection NEMA rating  shock resistance  o according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  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  Category 1, Class B  Category 1, Class B	Front ring	
material of the front ring  color of the front ring  sand gray  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  the according to IEC 60068-2-27  of the railway applications according to EN 61373  vibration resistance  of according to IEC 60068-2-6  of the terminal  IP20  1, 2, 3, 3R, 4, 4X, 12, 13  sinusoidal half-wave 15g / 11 ms  Category 1, Class B  vibration resistance  of according to IEC 60068-2-6  of the terminal  IP20  1, 2, 3, 3R, 4, 4X, 12, 13  Sinusoidal half-wave 15g / 11 ms  Category 1, Class B  vibration resistance  of according to IEC 60068-2-6  of the terminal  IP20  Category 1, Class B  Category 1, Class B	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  of according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  of according to IEC 60068-2-6  of railway applications according to EN 61373  category 1, Class B  vibration resistance  of according to IEC 60068-2-6  of 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  degree of protection NEMA rating  shock resistance  of according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  of according to IEC 60068-2-6  of railway applications according to EN 61373  category 1, Class B  vibration resistance  of according to IEC 60068-2-6  of railway applications according to EN 61373  category 1, Class B  category 1, Class B  category 1, Class B	material of the front ring	Metal, matt
protection class IP  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  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 railway applications according to EN 61373  Category 1, Class B  vibration resistance  of according to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  Category 1, Class B	color of the front ring	sand gray
<ul> <li>of the terminal</li> <li>degree of protection NEMA rating</li> <li>1, 2, 3, 3R, 4, 4X, 12, 13</li> <li>shock resistance</li> <li>according to IEC 60068-2-27</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>Category 1, Class B</li> </ul>	General technical data	
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	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
<ul> <li>for railway applications according to EN 61373</li> <li>Vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>Category 1, Class B</li> </ul>	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	
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%)
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	
Certificates/ approvals	25.4 mm

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=3SU1030-5BP01-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5BP01-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BP01-0AA0-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\_de.aspx?mlfb=3SU1030-5BP01-0AA0-Z Y12&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-5BP01-0AA0-Z Y12&lang=en</a>

last modified: 1/26/2022 🖸