## SIEMENS

## **Data sheet**

## 3SU1000-5BM01-0AA0-Z Y11



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

product designation design of the product Actuating/signaling element product type designation product type designation anufacturer'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 arking of the actuating element marking of the actuating element marking of the actuating element arking of the actuating element marking of the actuating element Any inscription, text in upper case auticlockwise • clockwise • clockwise • clockwise • anticlockwise  front ring product component front ring design of the front ring color of the front ring design of the front ring color of the front ring design of the front ring color of the terminal degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 operating frequency maximum  mechanical service life (switching cycles) typical  1 000 000  Reverse designation SSU1 Plastic, black, 22 mm pasture, black, 22 mm pasture, close present on the contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No SSU1950-OFP80-OAAQ  Actuating, splice, close, 245° (10:30 h/12 h/13:30 h), return on both sides No Silver momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No Silver momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No Silver momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No Silver momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No Silver momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No Silver metal should extension option. No Silver metal s	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm 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 shape of the actuating element making of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in upper case a witch position for key distraction actuating angle clockwise clockwise disckwise shape of the actuating element Any inscription, text in upper case anticlockwise shape of the actuating element Ary inscription, text in upper case Afs' semens key number SSG10  Front ring  product component front ring design of the front ring design of the front ring material of the front ring design of the front ring design of the front ring design of the front ring degree of protection NEMA rating shock resistance according to IEC 60068-2-7 for raingy applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for allway applications according to EN 61373 operating frequency maximum  3SU1950-0FP80-0AA0  momentary contact, 2x45* (10:30 h/12 h/13:30 h), return on both sides momentary contact, 2x45* (10:30 h/12 h/13:30 h), return on both sides momentary contact, 2x45* (10:30 h/12 h/13:30 h), return on both sides  Move of the actuating element momentary contact, 2x45* (10:30 h/12 h/13:30 h), return on both sides  Actuator  protection Actuating element metal actuating contact, 2x45* (10:30 h/12 h/13:30 h), return on both sides  Actuator  ### Ary inscription, text in upper case  ### Ary inscript	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	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  color  • of the actuating element silver material of the actuating element (Key) outer diameter of the actuating element (Any inscription, text in upper case) marking of the actuating element (Any inscription, text in upper case) marking of the actuating element (Any inscription, text in upper case) mumber of switching positions (Assignment) actuating angle (Assignment) electockwise (Assignment) electockwise (Assignment) front ring product component front ring (Assignment) design of the front ring (Assignment) design of the front ring (Assignment) color of the front ring (Assignment) design of the front ring (Assignment) degree of protection NEMA rating (Assignment) shock resistance exaccording to IEC 60068-2-27 exaccording to IEC 60068-2-6 exaccording to IEC 60068-2-6 exaccording to IEC 60068-2-6 exaccording to IEC 60068-2-6 exaccording frequency maximum (Assignment) 1 800 1/h	product type designation	3SU1
Actuator  principle of operation of the actuating element product extension optional light source color	product line	Plastic, black, 22 mm
principle of operation of the actuating element product extension optional light source  color  of the actuating element sliver 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 upper case number of switching positions switch position for key distraction actuating angle oclockwise anticlockwise selection where items of the front ring product component front ring gets of the front ring material of the front ring color of the front ring black  General technical data protection class IP of the terminal liP20 degree of protection NEMA rating shock resistance according to IEC 60068-2-7 of ra railway applications according to EN 61373 vibration resistance  • according to IEC 60068-2-6 of rarilway applications according to EN 61373 operating frequency maximum  isliver momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No	manufacturer's article number of included key	3SU1950-0FP80-0AA0
product extension optional light source  color  • of the actuating element silver  material of the actuating element Metal shape of the actuating element Mey Sey Sey Metaling of the actuating element Mey Mey Sey Mey Mey Mey Mey Mey Mey Mey Mey Mey M	Actuator	
color  • of the actuating element 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 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° lock make Siemens 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 degree of protection NEMA rating how for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 operating frequency maximum  1 800 1/h	principle of operation of the actuating element	momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides
of the actuating element material of the actuating element shape of the actuating element warking of the actuating element marking of the actuating element number of switching positions switch position for key distraction actuating angle olockwise for anticlockwise silemens key number sociolockwise lock make silemens key number sociolockwise sociolock make sociolockwise product component front ring design of the front ring material of the front ring sociolor of the front ring 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 operating frequency maximum silver metal solver	product extension optional light source	No
material of the actuating element shape of the actuating element well shape of the actuating element couter diameter of the actuating element marking of the actuating element number of switching positions switch position for key distraction octuating angle clockwise for anticlockwise anticlockwise swy number scale siemens key number scale siemens key number scale for tring product component front ring design 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 for railway applications according to EN 61373 operating frequency maximum  metal  key serv 29.5 mm metal 29.5 mm  policiton, text in upper case  45°  Siemens Siemens Siemens Standard plastic color of the front ring plastic plastic color of the front ring plastic plastic color of the front ring plastic color of the front ring plastic color of the front ring plastic standard metal 45°  45°  Siemens Siemens  Front ring Protection ring Plastic plastic standard metal 1806, IP67, IP69(IP69K) 1920 1920 1920 1920 1920 1920 1920 1920	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 45° anticlockwise 45° enticlockwise 45° switch position for key distraction octuating angle eclockwise Siemens key number SSG10  Front ring product component front ring group of the front ring product component front ring plastic color 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 eaccording to IEC 60068-2-6 for railway applications according to EN 61373 operating frequency maximum  Key  Any inscription, text in upper case  Any inscription, text in upper case  10  10  10  10  10  10  10  10  10  1	<ul> <li>of the actuating element</li> </ul>	silver
outer diameter of the actuating element marking of the actuating element number of switching positions switch position for key distraction O actuating angle clockwise 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 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 operating frequency maximum  e Any inscription, text in upper case  1, 2, 5, mm Any inscription, text in upper case  29.5 mm Any inscription, text in upper case  29.5 mm Any inscription, text in upper case  45°  45° 45° 45° 45° 45° 45° 45° 45° 4	material of the actuating element	metal
marking of the actuating element number of switching positions switch position for key distraction o actuating angle e clockwise anticlockwise for an indicate and in the 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 60068-2-6 for rallway applications according to EN 61373 operating frequency maximum  Apy inscription, text in upper case  Any inscription, text in upper case  3  Any inscription, text in upper case  3  3  Simulation, text in upper case  Any inscription, text in upper case  3  45°  0  Category 1, Class B  Protection, text in upper case  Any inscription, text in upper case  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  • clockwise  • anticlockwise  • anticlockwise  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  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  operating frequency maximum  o dso  class B	outer diameter of the actuating element	29.5 mm
switch position for key distraction  actuating angle  • clockwise  • anticlockwise  • anticlockwise  • anticlockwise  (Siemens  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  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  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  operating frequency maximum  1 800 1/h	marking of the actuating element	Any inscription, text in upper case
actuating angle  • clockwise • anticlockwise 45°  • anticlockwise 45°  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 shock resistance • according to IEC 60068-2-7 • for railway applications according to EN 61373  operating frequency maximum  1 800 1/h  45°  45°  45°  45°  45°  45°  45°  45	number of switching positions	3
oclockwise     onticlockwise     onticlockw	switch position for key distraction	0
o anticlockwise  lock make  Siemens  SSG10  Front ring  product component 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  o according to IEC 60068-2-27  of or railway applications according to EN 61373  operating frequency maximum  45°  Siemens  Siemens  Standard  Pres  Pastic  plastic  black  Black  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13  Sinusoidal half-wave 15g / 11 ms  Category 1, Class B  Others is the siemens  Siemens Siemens  Siemens	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 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  operating frequency maximum  Standard plastic pla	• 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  plastic  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  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  operating frequency maximum  Yes  Standard  Protection  plastic  plastic  plastic  Ple6, IP67, IP69(IP69K)  IP20  IP20  IP20  Category 1, 2, 3, 3R, 4, 4X, 12, 13  Sinusoidal half-wave 15g / 11 ms  Category 1, Class B  Category 1, Class B	anticlockwise	45°
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  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  operating frequency maximum  yes  Yes  Standard  Ples  Standard  Plastic  Standard  Plastic  IP66, IP67, IP69(IP69K)  IP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  sinusoidal half-wave 15g / 11 ms  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  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  operating frequency maximum  Yes  Standard  Plastic  Delack  IP66, IP67, IP69(IP69K)  IP20  IP20  I, 2, 3, 3R, 4, 4X, 12, 13  Shock resistance  according to IEC 60068-2-7  sinusoidal half-wave 15g / 11 ms  Category 1, Class B  Category 1, Class B	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 of the terminal lP20 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 railway applications according to EN 61373 category 1, Class B  operating frequency maximum  Standard plastic Standard plastic Standard plastic Standard plastic Standard standard plastic Standard	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  of the railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of tor railway applications according to EN 61373  category 1, Class B  operating frequency maximum  plastic  plastic  black  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  operating frequency maximum	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  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  for railway applications according to EN 61373  category 1, Class B  vibration resistance  10 500 Hz: 5g  ofor railway applications according to EN 61373  category 1, Class B  operating frequency maximum	design of the front ring	Standard
protection class IP of the terminal legous e of protection NEMA rating shock resistance according to IEC 60068-2-27 of the 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 vibration resistance of railway applications according to EN 61373 category 1, Class B operating frequency maximum 1 800 1/h	material of the front ring	plastic
protection class IP of the terminal lP20  degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 for 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  operating frequency maximum 1 800 1/h	color of the front ring	black
<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>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>operating frequency maximum</li> <li>1 800 1/h</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  operating frequency maximum 1 800 1/h	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  operating frequency maximum 1 800 1/h	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> <li>operating frequency maximum 1 800 1/h</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  1 800 1/h	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         operating frequency maximum       1 800 1/h	<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>operating frequency maximum</li> <li>10 500 Hz: 5g</li> <li>Category 1, Class B</li> <li>1 800 1/h</li> </ul>	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
<ul> <li>◆ for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>Operating frequency maximum</li> <li>1 800 1/h</li> </ul>	vibration resistance	
operating frequency maximum 1 800 1/h	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
1 0 1 7	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
mechanical service life (switching cycles) typical 1 000 000	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	500 000
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=3SU1000-5BM01-0AA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5BM01-0AA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5BM01-0AA0-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=3SU1000-5BM01-0AA0-Z Y11&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-5BM01-0AA0-Z Y11&lang=en</a>

last modified: 1/26/2022 🖸