## 3SU1030-5BM01-0AA0-Z Y15

## **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 type, actuating angle  $2x45^{\circ}$ , 10:30h/12h/13:30h, key removal O, with laser labeling, upper case and lower case, always upper case at the beginning of the word

product designation design of the product Actuating/signaling element product type designation product product extension optional light source color of the actuating element material of the actuating element material of the actuating element marking of the actuating element any inscription, text in upper/lower case, all words begin with upper case letters number of switching positions switch position for key distraction actuating angle clockwise distriction actuating angle clock make siemens key number siched for the front ring groduct component front ring design of the front ring groduct component front ring design of the front ring color of the front ring color of the front ring color of the front ring 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  1800 in http://discording to the front ring caccording to IEC 60068-2-27 for railway applications according to EN 61373 category 1, Class B  1800 in http://discording to the front ring caccarding to IEC 60068-2-8  10 500 Hz: 5g category 1, Class B	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 product extension optional light source color  of the actuating element metal shape of the actuating element youter diameter of the actuating element Any inscription, text in upper/lower case, all words begin with upper case eletters  number of switching positions 3  switch position for key distraction Oactuating actuating element As and included with position for key distraction Oactuating and included with positions of the actuating element As any inscription, text in upper/lower case, all words begin with upper case eletters  autuating angle oactuating element As any inscription, text in upper/lower case, all words begin with upper case eletters  switch position for key distraction Oactuating and included with a size electric actuating angle oactuating element As and included with a size electric actuating element As and included with a size electric actuating element As and included with a size electric actuating element As and included with a size eletters	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  of the actuating element shape of the actuating element material of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element arking of the actuating element mumber of switching positions switch position for key distraction actuating angle electockwise anticlockwise solok make key number front ring product component front ring design of the front ring color of the front ring sand gray  General technical data protection class IP of trailway applications according to EN 61373  vibration resistance electors actuation according to EN 61373  Plastic with metal front ring moment, 22 mm assu1920-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	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 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/lower case, all words begin with upper case letters  number of switching positions  switch position for key distraction actuating angle • clockwise • anticlockwise  145° • anticlockwise  key number  Front ring  product component front ring design of the front ring material of the front ring design 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  winners, 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 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 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 metal sliver metal subver metal subver acseleters all words begin with upper case letters all words begin with upper as letters any increption, text in upper/lower case, all words begin with upper as letters any increption, text in upper/lower case, all words begin with upper as letters any increption, text in upper/lower case, all words begin with upper as letters any increption, text in upper/lower case, all words begin with upper as letters any increption, text in upper/lower case, all words begin with upper	product type designation	3SU1
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 well shape of the actuating element shape of the actuating element well shape of the actuating element shape of the actuating element well shape shape of the actuating element well shape of the sha	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 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 arrived iameter of the actuating element marking of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters  3 switch position for key distraction octuating angle oclockwise anticlockwise anticlockwise selecters solution lock make key number  Front ring product component front ring design of the front ring material of the front ring material of the front ring color of the front ring deneral technical data protection class IP of the terminal lege of protection NEMA rating shock resistance according to IEC 60068-2-6 of or railway applications according to EN 61373  Category 1, Class B  rotation Vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373  Category 1, Class B  Category 1, Class B	manufacturer's article number of included key	<u>3SU1950-0FP80-0AA0</u>
product extension optional light source  of the actuating element  aterial of the actuating element  shape of the actuating element  shape of the actuating element  shape of the actuating element  Mey  outer diameter of the actuating element  marking of the actuating element  marking of the actuating element  Any inscription, text in upper/lower case, all words begin with upper case letters  number of switching positions  switch position for key distraction  o actuating angle  o clockwise  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  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		
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  marking of the actuating element  ase letters  number of switching positions  switch position for key distraction actuating angle elockwise for anticlockwise anticlockwise selemens key number selement  product component front ring ground front ring material of the front ring material color of the front ring material 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	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     shape of the actuating element     well     outer diameter of the actuating element     marking of the actuating element     Any inscription, text in upper/lower case, all words begin with upper case letters      number of switching positions     switch position for key distraction     o actuating angle	product extension optional light source	No
material of the actuating element shape of the actuating element weet diameter of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters number of switching positions  switch position for key distraction actuating angle clockwise shape of clockwise anticlockwise shape of clockwise shape of clockwise shape of clockwise shape of the front ring design of the front ring shape of the terminal protection class IP of the terminal 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	color	
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 upper/lower case, all words begin with upper case letters  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  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	<ul> <li>of the actuating element</li> </ul>	silver
outer diameter of the actuating element     29.5 mm       marking of the actuating element     Any inscription, text in upper/lower case, all words begin with upper case letters       number of switching positions     3       switch position for key distraction     0       actuating angle     45°       • clockwise     45°       • anticlockwise     45°       lock make     Siemens       key number     SSG10       Front ring       product component front ring     Yes       design of the front ring     Metal, matt       color of the front ring     Metal, matt       color of the front ring     IPB66, 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       • 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	material of the actuating element	metal
marking of the actuating element  number of switching positions  switch position for key distraction  actuating angle  clockwise  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  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	shape of the actuating element	Key
number of switching positions switch position for key distraction o actuating angle clockwise discrete	outer diameter of the actuating element	29.5 mm
switch position for key distraction  actuating angle  • clockwise  • 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  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	marking of the actuating element	
actuating angle	number of switching positions	3
clockwise     anticlockwise     A5°     lock make     Siemens     key number     SSG10  Front ring  product component front ring     design of the front ring     material 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     category 1, Class B     ocategory 1, Class B     category 1, Class B     category 1, Class B     category 1, Class B     category 1, Class B	switch position for key distraction	0
o 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  general technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  o according to IEC 60068-2-27  of railway applications according to EN 61373  vibration resistance  o according to IEC 60068-2-6  of 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 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 category 1, Class B  vibration resistance according to IEC 60068-2-6 according to IEC 60068-2-6 for 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  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	anticlockwise	45°
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  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  general technical data  protection class IP of the terminal of the t	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  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 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	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 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 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 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	material of the front ring	Metal, matt
protection class IP  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 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	sand gray
● 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	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
<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=3SU1030-5BM01-0AA0-Z Y15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5BM01-0AA0-Z Y15

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BM01-0AA0-Z Y15

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=3SU1030-5BM01-0AA0-ZY15&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-5BM01-0AA0-ZY15&lang=en</a>

last modified: 1/26/2022 🖸