## **SIEMENS**

## **Data sheet**



Key-operated switch BKS, 22 mm, round, plastic with metal front ring, lock number S1, 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 type designation  design of the product product type designation product extension optional light source No color  of the actuating element material of the actuating element Mey design of the actuating element Any inscription, text in upper case product designation product designation product designation product designation product designation product component front ring design of the front ring material of the front ring design of the front ring 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 railway applications according to EN 61373 operating frequency maximum  8 Key-poeratic front ring to the railway applications according to EN 61373 operating frequency maximum  8 Key-poerating frequency maximum  8 Key-poerating frequency maximum  8 Key-poerating frequency maximum  8 Key-poerating frequency maximum  9 Sundard  momentary, 2013 h/12 h/13:30 h/12 h/13:	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 of the actuating element material of the actuating element making of the actuating element marking of the actuating plement marking of the actuating positions as witch position for key distraction actuating angle clockwise clockwise distriction or actuating angle clock make key number stront ring product component front ring design of the front ring material of the front ring design of the front ring of the front ring formation or the front ring design of the front ring formation or the front ring design of the front ring formation or t	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 material of the actuating element shape of the actuating element word and the actuating element shape of the actuating element shape of the actuating element Any inscription, text in upper case 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 60068-2-7 • 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  Place in the first in the first in the first in the first in the second in the first in t	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 shape of the actuating element shape of the actuating element wetal shape of the actuating element shape of the actuating element Any inscription, text in upper case number of switching positions switch position for key distraction actuating angle clockwise anticlockwise shape of the front ring design of the front ring standard material of the front ring shape of the front ring design of the front ring shape of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 operating frequency maximum  silver 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 nomentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides nomentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides nomentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides nomentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides nomentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides nor of the actuating element netal shape of the actuating element netal sliver material of the actuating element netal shape of the actuating	product type designation	3SU1
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 shape of the actuating element Metal shape of the actuating element Metal shape of the actuating element Metal shape of the actuating element Any inscription, text in upper case number of switching positions 3 switch position for key distraction O actuating angle clockwise shaticlockwise shaticlockwis	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 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 • clockwise • anticlockwise  • anticlockwise  front ring product component front ring ground component front ring ground component front ring material of the front ring color of the front ring sand gray  Ceneral 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 operating frequency maximum  momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No  No  No  No  No  No  Retal Heal Heal Heal Heal Heal Heal Heal He	manufacturer's article number of included key	3SU1950-0FD80-0AA0
product extension optional light source color	Actuator	
color  • of the actuating element material of the actuating element shape of the actuating element warking 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 actuating angle e clockwise 45° anticlockwise 45° lock make BCS key number  Front ring product component front ring design of the front ring material of the front ring material of the front ring Standard material of the front ring color of the front ring eneral technical data protection class IP of the terminal eneral element eneral element silver metal silver silver metal silver silver metal silver metal silver metal silver silver metal silver metal silver	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     wouter diameter 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     olockwise     anticlockwise     anticlockwise     iok make	product extension optional light source	No
material of the actuating element shape of the actuating element wey outer diameter of the actuating element number of switching positions switch position for key distraction octuating angle oclockwise anticlockwise anticlockwise sey 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 material of the front ring general technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of railway applications according to EN 61373 operating frequency maximum  metal key 29.5 mm metal key 29.5 mm metal key 29.5 mm metal key 29.5 mm metal 29.5 mm  Metal in upper case 45°  45°  45°  45°  45°  45°  45°  45°	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 octockwise delicokwise onticlockwise subject 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 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  Pinning in miscription, text in upper case Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  Any inscription, text in upper case  April in upper case  Any inscription, text in upper case  April in upper case  Any inscription, text in upper case  April in upper case  Any inscription, text in upper case  April in upper case  Any inscription, text in upper case  April in upper case  Any inscription, text in upper case  April in upper cas	<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 octockwise controlled to the front ring design of the front ring color of the front ring material of the front ring color of the front ring color of the terminal 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  Any inscription, text in upper case  Any inscription, text in upper case  9 as in upper case  10 Any inscription, text in upper case  11 Any inscription, text in upper case  12 Any inscription, text in upper case  12 Any inscription, text in upper case  13 Any inscription, text in upper case  14 Any inscription (Any inscription)  15 Any inscription, text	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 9 anticlockwise 16ck make 8 BCS key number 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 60068-2-6 for railway applications according to EN 61373 operating frequency maximum  A5°  A5°  A5°  A5°  A5°  A5°  A5°  A5	shape of the actuating element	Key
number of switching positions switch position for key distraction otuating angle otlockwise anticlockwise anticlockwise block make key number Sta  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 of or railway applications according to EN 61373 operating frequency maximum  o days  Category 1, Class B  operating frequency maximum  o days  Category 1, Class B  operating frequency maximum  o days  Category 1, Class B  operating frequency maximum  o days  category 1, Class B  operating frequency maximum	outer diameter of the actuating element	29.5 mm
switch position for key distraction  actuating angle	marking of the actuating element	Any inscription, text in upper case
actuating angle	number of switching positions	3
<ul> <li>clockwise</li> <li>anticlockwise</li> <li>lock make</li> <li>BCS</li> <li>key number</li> <li>S1</li> </ul> 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  operating frequency maximum <li>45°  45°  45°  45°  45°  45°  46°  46°</li>	switch position for key distraction	0
onticlockwise     lock make     lock make     key number     S1  Front ring  product component front ring     design of the front ring     material 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     lecture of protection NEMA rating shock resistance     oaccording to IEC 60068-2-27     of or railway applications according to EN 61373  vibration resistance     oaccording to IEC 60068-2-6     of railway applications according to EN 61373  operating frequency maximum  1 800 1/h  Associated with services and services according to EN 61373  Category 1, Class B  Operating frequency maximum  1 800 1/h	actuating angle	
lock make key number S1  Front ring product component front ring design of the front ring material of the front ring Color of the front ring Standard material 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 of or railway applications according to EN 61373 category 1, Class B operating frequency maximum  1 800 1/h	• 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  Standard  Metal, matt  color of the front ring  Seneral technical data  protection class IP  of the terminal  IP20  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  Metal, matt  Standard  Metal, matt  PP66, IP67, IP69(IP69K)  IP20  IP20  IP20  Category 1, 2, 3, 3R, 4, 4X, 12, 13  Shock resistance  10 500 Hz: 5g  Category 1, Class B  Operating frequency maximum  1 800 1/h	anticlockwise	45°
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  of according to IEC 60068-2-27  of railway applications according to EN 61373  vibration resistance  of racilway applications according to EN 61373  of railway applications according to EN 61373  of according to IEC 60068-2-6  of railway applications according to EN 61373  of according to IEC 60068-2-6  of according to IEC 60068-2	lock make	BCS
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  oaccording to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  oaccording to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  vibration resistance  oaccording to IEC 60068-2-6  of or railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h	key number	S1
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  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  of 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  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	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  vibration resistance  of ror railway applications according to EN 61373  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  of tor 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  vibration resistance  of ror railway applications according to EN 61373  category 1, Class B  operating frequency maximum  1 800 1/h	design of the front ring	Standard
protection class IP	material of the front ring	Metal, matt
protection class IP	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  operating frequency maximum 1800 1/h	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  • 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
<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>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>	shock resistance	
vibration resistance	<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> <li>operating frequency maximum</li> <li>1 800 1/h</li> </ul>	for railway applications according to EN 61373	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
	● for railway applications according to EN 61373	Category 1, Class B
	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	\$
Substance Prohibitance (Date)	10/01/2014
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	56.3 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=3SU1030-5PM01-0AA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5PM01-0AA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5PM01-0AA0-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=3SU1030-5PM01-0AA0-ZY11&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-5PM01-0AA0-ZY11&lang=en</a>

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