## **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, latching, actuating angle  $2x45^{\circ}$ , 10:30h/12h/13:30h, Key removal II, Z=50-unit packaging

product designation  key-operated switches  design of the product  product type designation  product tine  manufacturer's article number of included key  surfacturer'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  silver  material of the actuating element  switch postition for key distraction  actuating angle  olockwise  olockwise  actuating angle  olockwise  actuations  actuating angle  olockwise  actuations  actuating of the front ring  product component front ring  design of the front ring  sand gray  Caneral tochnical data  protection class IP  of the terminal  protection class IP  according to IEC 60068-2-27  in railway applications according to EN 61373  Category 1, Class B  oversubstance  according to IEC 60068-2-6  of ror railway applications according to EN 61373  Category 1, Class B  oversubstance  according to IEC 60068-2-6  of ror railway applications according to EN 61373  Category 1, Class B  oversubstance  according to IEC 60068-2-6  of ror railway applications according to EN 61373  Category 1, Class B  oversubstance  according to IEC 60068-2-6  of ror railway applications according to EN 61373  Category 1, Class B  oversubstance  according to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  oversubstance  according to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  oversubstance  according to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  oversubstance  according to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  oversubstance  according to IEC 60068-2-6  of railway applications according to EN 61373  Category 1, Class B  oversubstance Postantion According to EN 61373  Category 1, Class B  oversubstance Postan	product brand name	SIRIUS ACT
design of the product product type designation product tine Plastic with metal front ring, matt, 22 mm manufacturer's article number of included key assurable operation of the actuating element product extension optional light source of the actuating element silver material of the actuating element shape of the yellow element shape of the actuating element shape of the yellow element shape of the trunting positions shock make shape element shape of the trunt ring design of the front ring standard material of the front ring standard material of the front ring design of the front ring standard material of the front ring shock resistance element element element shape of the yellow element shape of the terminal degree of protection NEMA rating 1, 2, 3, 8, 4, 4, 12, 13 shock resistance element element element standard shape yellow element element shape yellow element shape yellow element element shape yellow element sha	·	
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material of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction II actuating angle  • clockwise 45° • anticlockwise 45° lock make BCS key number S1  Front ring product component front ring Standard material of the front ring Metal, matt color of the front ring sand gray  Ceneral technical data protection class IP • of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B outer 1, 200 Metal Side Side Side Side Side Side Side Side		
shape of the actuating element  outer diameter of the actuating element  number of switching positions  switch position for key distraction  II  actuating angle  • clockwise  • anticlockwise  • St   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  iP20  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  category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S		
outer diameter of the actuating element  number of switching positions  switch position for key distraction  actuating angle  clockwise  clockwise  anticlockwise  design of the front ring  material 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  for railway applications according to EN 61373  operating frequency maximum  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S   description III  1	material of the actuating element	metal
number of switching positions  switch position for key distraction  actuating angle  • clockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  • St   BCS  key number  Front ring  product component front ring  design of the front ring  Standard  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  • 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  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	shape of the actuating element	Key
switch position for key distraction  actuating angle  • clockwise  • anticlockwise  • anticlockwise  • athickness  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 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  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  I 45°  45°  45°  45°  45°  45°  45°  45°	outer diameter of the actuating element	29.5 mm
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clockwise     anticlockwise     anticlockwise     design 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 60068-2-77     of or railway applications according to EN 61373  operating frequency maximum     1 800 1/h     mechanical service life (operating cycles) typical     reference code according to IEC 81346-2  S  operating frequency maximum     1 800 1/h     mechanical service life (operating cycles) typical     reference code according to IEC 81346-2  S	switch position for key distraction	II .
• anticlockwise     lock make     BCS key number     S1  Front ring  product component front ring     Yes design 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  vibration resistance     • according to IEC 60068-2-6     of or railway applications according to EN 61373  operating frequency maximum     1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2  S	actuating angle	
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Front ring   Yes	anticlockwise	45°
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  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  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	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  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  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	key number	S1
design of the front ring material of the front ring  Color of the front ring  Sand gray  Ceneral technical data  protection class IP of the terminal  of the te	Front ring	
material of the front ring color of the front ring sand gray  General technical data  protection class IP of the terminal egree 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  operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 S	product component front ring	Yes
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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  sinusoidal half-wave 15g / 11 ms  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  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	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  for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	General technical data	
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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  mechanical service life (operating cycles) typical 1 000 000  reference code according to IEC 81346-2 S	of the terminal	IP20
<ul> <li>according to IEC 60068-2-27</li> <li>sinusoidal half-wave 15g / 11 ms</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</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>operating frequency maximum</li> <li>1 800 1/h</li> <li>mechanical service life (operating cycles) typical</li> <li>reference code according to IEC 81346-2</li> <li>S</li> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
for railway applications according to EN 61373  Category 1, Class B  vibration resistance	shock resistance	
vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	• according to IEC 60068-2-27	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> <li>mechanical service life (operating cycles) typical</li> <li>1 000 000</li> <li>reference code according to IEC 81346-2</li> <li>S</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  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	vibration resistance	
● for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	• according to IEC 60068-2-6	10 500 Hz: 5g
operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S	<ul> <li>for railway applications according to EN 61373</li> </ul>	
mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S		
reference code according to IEC 81346-2		1 000 000
·		
		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	

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1030-5PL31-0AA0-Z X90

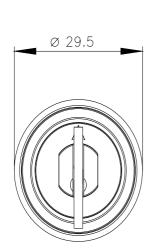
Cax online generator

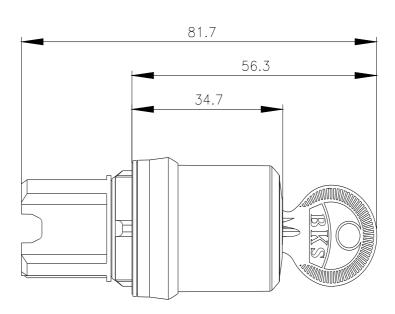
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5PL31-0AA0-Z X90

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5PL31-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-5PL31-0AA0-Z X90&lang=en





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