SIEMENS

Data sheet



Key-operated switch BKS, 22 mm, round, plastic, lock number S1, with 2 keys, 3 switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h, Key removal II, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

product designation design of the product product type designation product extension optional light source color of the actuating element product extension optional light source of the actuating element product extension optional light source protocolor of the actuating element product diameter of the actuating element product diameter of the actuating element product diameter of the actuating element province	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 color of the actuating element material of the actuating element shape of the actuating element wouter diameter of the actuating element material of the actuating element wouter diameter of the actuating element marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN) Ill actuating angle elockwise elockw	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 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 marking of the actuating element actuating angle elockwise elockwise elockwise elockwise for anticlockwise lock make BCS st Front ring product component front ring design of the front ring color of the front ring elosion of the front ring protection class IP elof the terminal degree of protection NEMA rating shock resistance elockwise elockolors eloc	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 of the actuating element silver material of the actuating element shape of the actuating element shape of the actuating element Marking of the actuating element Mary inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) Ill Marking angle Clockwise Ass' Ass' Ass' Ass' Ass' Ass' Ass' A	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 Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) switch position for key distraction actuating angle olockwise anticlockwise anticlockwise bCS key number Front ring product component front ring design of the front ring slandard material of the front ring color of the front ring degree of protection NEMA rating shock resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B Vibration resilance of the forn ting to the category 1, Class B Category 1, Class B Category 1, Class B Category 1, Class B	manufacturer's article number of included key	3SU1950-0FD80-0AA0
product extension optional light source of the actuating element material 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 el	Actuator	
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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 or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) number of switching positions switch position for key distraction ill actuating angle	product extension optional light source	No
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outer diameter of the actuating element 29.5 mm marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN) number of switching positions 3 switch position for key distraction II actuating angle 45° • clockwise 45° • anticlockwise BCS key number \$1 Front ring product component front ring Yes design of the front ring Standard material of the front ring plastic color of the front ring black General technical data protection class IP IP66, 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 Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) switch position for key distraction actuating angle clockwise anticlockwise 45° anticlockwise 551 Front ring product component front ring 45° design of the front ring 54 andard material of the front ring 55 andard material of the front ring 56 andard material of the front ring 57 andard material of the front ring 58 andard material of the front ring 59 andard material of the front ring 50 andard material of the front ring 51 andard material of the front ring 52 andard material of the front ring 53 andard material of the front ring 54 andard material of the front ring 55 andard material of the front ring 56 andard material of the front ring 57 andard material of the front ring 58 andard material of the front ring 59 andard material of the front ring 50 andard material of the front ring 51 andard material of the front ring 52 andard material of the front ring 53 andard material of the front ring 54 andard material of the front ring 54 andard material of the front ring 55 andard material of the front ring 56 andard material of the front ring 57 andard material of the front ring 58 andard material of the front ring 59 andard material of the front ring 50 andard material of the front	shape of the actuating element	Key
configurator/Configuration Identification Number (CIN) number of switching positions switch position for key distraction actuating angle clockwise anticlockwise front ring product component front ring design of the front ring color 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 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 color of Hz: 5g Category 1, Class B	outer diameter of the actuating element	29.5 mm
switch position for key distraction actuating angle • clockwise • anticlockwise • anticlockwise Ill actuating angle • clockwise • anticlockwise BCS 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 Category 1, Class B	marking of the actuating element	
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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 Vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B Category 1, Class B	anticlockwise	45°
Front ring product component front ring design of the front ring material 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 for railway applications according to EN 61373 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 category 1, Class B Category 1, Class B	lock make	BCS
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 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 or railway applications according to EN 61373 Category 1, Class B Category 1, Class B	key number	S1
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 lP20 degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of the 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 10 500 Hz: 5g of category 1, Class B	Front ring	
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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 railway applications according to EN 61373 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 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	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 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	black
 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 for railway applications according to EN 61373 Category 1, Class B 	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
 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 	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
for railway applications according to EN 61373 vibration resistance	shock resistance	
vibration resistance	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
 according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B 	 for railway applications according to EN 61373 	Category 1, Class B
• 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 (switching cycles) typical	1 000 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014
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
height width	29.5 mm 29.5 mm
width	29.5 mm
width shape of the installation opening	29.5 mm round
width shape of the installation opening mounting diameter	29.5 mm round 22.3 mm
width shape of the installation opening mounting diameter positive tolerance of installation diameter	29.5 mm round 22.3 mm 0.4 mm
width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height	29.5 mm round 22.3 mm 0.4 mm 56.3 mm
width shape of the installation opening mounting diameter positive tolerance of installation diameter mounting height installation width	29.5 mm round 22.3 mm 0.4 mm 56.3 mm 29.5 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=3SU1000-5PL31-0AA0-Z Y19

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5PL31-0AA0-Z Y19

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5PL31-0AA0-Z Y19

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1000-5PL31-0AA0-Z Y19&lang=en

1/26/2022 last modified: