SIEMENS

Data sheet



Key-operated switch BKS, 22 mm, round, plastic, lock number S1, with 2 keys, 2 switch positions O-I, latching, actuating angle 90° , 10:30h/13:30h, key removal I, with laser labeling, upper case

product designation design of the product product type designation 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 marking of the actuating element marking of the actuating element mumber of switching positions switch position for key distraction actuating angle clockwise lock make BCS key number Front ring product component front ring design of the front ring clor of the front ring material of the front ring protection class IP of the terminal degree of protection NEMA rating susults assume the switchin sustance shock resistance Actuating sleement plastic color of the front ring protection NEMA rating shock resistance	product brand name	SIRIUS ACT	
product type designation product line 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 shape of the actuating element material of the actuating element shape of the actuating element marking of the actuating element number of switching positions switch position for key distraction actuating angle clockwise 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 feneral technical data protection class IP of the terminal degree of protection NEMA rating 1 actuating lement plastic lock NEMA rating sulface sulfac	product designation	Key-operated switches	
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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 Any inscription, text in upper case number of switching positions switch position for key distraction actuating angle oclockwise Scs key number Front ring product component front ring design of the front ring material of the front ring material of the front ring Ceneral technical data protection class IP of the terminal degree of protection NEMA rating latching, 90° (10:30 h/13:30 h) latching, 90° (10:30 h/13:30 h/13	product type designation	3SU1	
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of the actuating element material of the actuating element shape of the actuating element weighted from the actuating element shape of the actuating element marking of the actuating element marking of the actuating element number of switching positions switch position for key distraction actuating angle clockwise solock 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 element metal 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 1, 2, 3, 3R, 4, 4X, 12, 13	product extension optional light source	No	
material of the actuating element shape of the actuating element weep outer diameter of the actuating element marking of the actuating element marking of the actuating element number of switching positions switch position for key distraction actuating angle clockwise solock make because lock make skey 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 element key sum outer diameter of the actuating element Key Any inscription, text in upper case any inscription, text in upper case 90° 80° 80° 80° 81 81 82 84 85 84 85 86 86 86 86 86 87 86 86 87 87	color		
shape of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions 2 switch position for key distraction actuating angle • clockwise lock make key number 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 Pays inscription, text in upper case 29.5 mm Any inscription, text in upper case 20.5 mm Any inscription, tex	 of the actuating element 	silver	
outer diameter of the actuating element marking of the actuating element number of switching positions switch position for key distraction actuating angle clockwise 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 29.5 mm Any inscription, text in upper case 20.5 mm 10.5 material of text in upper case 20.5 mm Pos Front ring Pos Standard plastic color of the front ring black General technical data protection class IP of the terminal 1920 1, 2, 3, 3R, 4, 4X, 12, 13	material of the actuating element	metal	
marking of the actuating element number of switching positions switch position for key distraction actuating angle	shape of the actuating element	Key	
number of switching positions switch position for key distraction actuating angle ● clockwise 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 plastic color of the front ring General technical data protection class IP ● of the terminal degree of protection NEMA rating 2 Standard POPUR STANDARD STAND	outer diameter of the actuating element	29.5 mm	
switch position for key distraction actuating angle • clockwise 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 P0° BCS Standard Yes Standard plastic black BCS Standard plastic plastic plastic plack IP66, IP67, IP69(IP69K) 1P20 1, 2, 3, 3R, 4, 4X, 12, 13	marking of the actuating element	Any inscription, text in upper case	
actuating angle • clockwise 90° 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 general technical data protection class IP • of the terminal degree of protection NEMA rating 90° 90° Standard Yes Standard plastic black Bellock 1P66, IP67, IP69(IP69K) IP20 1P20 1, 2, 3, 3R, 4, 4X, 12, 13	number of switching positions	2	
 oclockwise lock make lock make BCS key number S1 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 lP66, IP67, IP69(IP69K) of the terminal degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 	switch position for key distraction	T	
lock makeBCSkey numberS1Front ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13	actuating angle		
key number Front ring product component front ring	• clockwise	90°	
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 Yes Standard plastic black Plastic plack IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13	lock make	BCS	
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 Yes Standard plastic plastic plack IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13	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 Standard plastic plastic lP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13	Front ring		
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	product component front ring	Yes	
color of the front ring General technical data protection class IP of the terminal degree of protection NEMA rating black IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13	design of the front ring	Standard	
General technical data protection class IP of the terminal degree of protection NEMA rating IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13	material of the front ring	plastic	
protection class IP of the terminal degree of protection NEMA rating IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13	color of the front ring	black	
● of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	General technical data		
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	protection class IP	IP66, IP67, IP69(IP69K)	
	of the terminal	IP20	
shock resistance	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	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms	
• for railway applications according to EN 61373 Category 1, Class B	 for railway applications according to EN 61373 	Category 1, Class B	
vibration resistance	vibration resistance		
• according to IEC 60068-2-6 10 500 Hz: 5g	according to IEC 60068-2-6	10 500 Hz: 5g	
• for railway applications according to EN 61373 Category 1, Class B	 for railway applications according to EN 61373 	Category 1, Class B	
operating frequency maximum 1 800 1/h	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	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
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=3SU1000-5PF21-0AA0-Z Y11

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5PF21-0AA0-Z Y11

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5PF21-0AA0-Z Y11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-5PF21-0AA0-Z Y11&lang=en

1/26/2022 last modified: