SIEMENS

Data sheet



Key-operated switch BKS, 22 mm, round, metal, shiny, special lock, with 2 keys, 3 switch positions I-O<II, latching on the left, momentary contact type on the right, actuating angle 2x45°, 10:30h/12h/13:30h, key removal I, Note: BKS locking systems E1 - E25 supplied without key

principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source No color	product brand name	SIRIUS ACT	
product type designation product tine Metal, shiny, 22 mm Metal, shiny, 22 mm Actuator principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source of the actuating element shape of the actuating element yes outer diameter of the actuating element yes design of the fork distraction yes outer diameter of the actuating element yes of the product one witching positions yes outer diameter of the actuating element yes design of the front ring yes outer diameter of the form ring yes design of the front ring yes product component front ring yes design of the front ring yes product component fron	product designation	Key-operated switches	
product line Metal, shiny, 22 mm Actuator principle of operation of the actuating element latching/momentary contact, 2x45" (10.30 h/12 h/13.30 h), return from right, left latching product extension optional light source No color of the actuating element silver material of the actuating element Metal shape of the actuating Metal Shape of the front ring Metal Shape of the front ring Shape of the front ring Metal Shape of the front ring	design of the product	Actuating/signaling element	
Actuator principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source No color of the actuating element silver material of the actuating element metal shape of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction I actuating angle olockwise 45° on anticlockwise 45° on anticlockwise BCS Front ring product component front ring Yes design of the front ring Standard material of the front ring Metal, high gloss color of the front ring sliver General 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 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 10 500 Hz. 5g Operating frequency maximum 1800 1000 12014 Ambient conditions ambient temperature	product type designation		
principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source No of the actuating element silver material of the actuating element metal shape of the actuating element Key Outer diameter of the actuating element Sewitch opstitions Sewitch opstition for key distraction I cactuating angle octookwise 45° on thickness Sewitch opstition for key distraction I cactuating angle octookwise 45° on thickness Sewitch opstitions Sewitch opstitions Sewitch opstition for key distraction Sewitch opstitions Sewitch S	product line	Metal, shiny, 22 mm	
Iatching product extension optional light source color	Actuator		
color	principle of operation of the actuating element		
• of the actuating element metal shape of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction I actuating angle • clockwise • clockwise • anticlockwise • anticlockwise outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction I actuating angle • clockwise • clockwise • anticlockwise • anticlockwise • anticlockwise outer diameter of the front ring Yes design of the front ring Standard material of the front ring Metal, high gloss color of the front ring silver General 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 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 8 Substance Prohibitance (Date) Ambient conditions ambient temperature	product extension optional light source	No	
material of the actuating element Key outer diameter of the actuating element Z9.5 mm number of switching positions 3 switch position for key distraction I actuating angle	color		
shape of the actuating element outer diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise anticlockwise anticlockwise because anticlockwise because because because anticlockwise because becau	of the actuating element	silver	
outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction 1 actuating angle	material of the actuating element	metal	
number of switching positions switch position for key distraction actuating angle • clockwise • anticlockwise • accomment front ring product component front ring genuity of the front ring product component front ring Metal, high gloss color of the front ring silver General technical data protection class IP • of the terminal protection class IP • of the terminal protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) anticlockwise 1 1 - 45° 45° 45° 45° 45° 45° 46S 46S 46S 46S 46S 46S 46S 46	shape of the actuating element	Key	
switch position for key distraction actuating angle • clockwise • anticlockwise • anticlockwise • anticlockwise bCS Front ring product component front ring gtandard material of the front ring material of the front ring gtandard material of the front ring Metal, high gloss color of the front ring gilver General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	outer diameter of the actuating element	29.5 mm	
actuating angle clockwise anticlockwise 45° anticlockwise 45° lock make BCS Front ring product component front ring Standard material of the front ring Metal, high gloss color of the front ring silver General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	number of switching positions	3	
Clock wise Af5° Anticlockwise Af5° Iock make BCS Front ring product component front ring Adesign of the front ring Atel, high gloss Color of the front ring Silver General technical data protection class IP Of the terminal Of the terminal Office of protection NEMA rating According to IEC 60068-2-27 According to IEC 60068-2-27 According to IEC 60068-2-6 Operating frequency maximum According to IEC 60068-2-6 Operating frequency maximum According to IEC 81346-2 Substance Prohibitance (Date) Substance Prohibitance (Date) Ambient conditions ambient temperature	switch position for key distraction	1	
out an interest of the front ring of the terminal of th	actuating angle		
lock make Front ring product component front ring	• clockwise	45°	
product component front ring product component front ring design of the front ring Metal, high gloss color of the front ring gliver General technical data protection class IP of the terminal iP20 degree of protection NEMA rating shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) ambient temperature	anticlockwise	45°	
product component front ring design of the front ring material of the front ring material of the front ring color of the front ring gilver General technical data protection class IP of the terminal lP20 degree of protection NEMA rating shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	lock make	BCS	
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 vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	Front ring		
material of the front ring color of the front ring silver 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 vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	product component front ring	Yes	
color of the front ring General technical data protection class IP	design of the front ring	Standard	
protection class IP of the terminal lp20 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 vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	material of the front ring	Metal, high gloss	
protection class IP	color of the front ring	silver	
● 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 vibration resistance ● according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	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	of the terminal	IP20	
according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	shock resistance		
according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms	
operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	vibration resistance		
mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	• according to IEC 60068-2-6	10 500 Hz: 5g	
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	operating frequency maximum	1 800 1/h	
Substance Prohibitance (Date) Ambient conditions ambient temperature	mechanical service life (operating cycles) typical	300 000	
Ambient conditions ambient temperature	reference code according to IEC 81346-2	S	
ambient temperature	Substance Prohibitance (Date)	10/01/2014	
	Ambient conditions		
• during operation -25 +70 °C	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	

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=3SU1050-5PN21-0AA0-Z Y01

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5PN21-0AA0-Z Y01

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5PN21-0AA0-Z Y01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5PN21-0AA0-Z Y01&lang=en

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