## **SIEMENS**

## **Data sheet**



Key-operated switch BKS, 22 mm, round, metal, shiny, lock number S1, with 2 keys, 3 switch positions I-O<II, left latching, right momentary contact type, actuating angle  $2x45^{\circ}$ , 10:30h/12h/13:30h, Key removal O

latching  product extension optional light source  color  of the actuating element material of the actuating element shape of the actuating element voter diameter of the actuating element number of switching positions switch position for key distraction octuating angle clockwise clockwise anticlockwise because anticlockwise several element style product component front ring design of the front ring color of the front ring material of the front ring silver  General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 61346-2 Substance Prohibitance (Date)		
design of the product product type designation product line Metal, shiny, 22 mm  Istching Metal,	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 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 shape of the actuating element cut diameter of the actuating element number of switching positions switch position for key distraction actuating angle elockwise anticlockwise 10ck make 8CS key number St Front ring product component front ring design of the front ring material of the front ring design of the front ring material of the front ring material of the front ring silver  PFONT ing product component front ing material of the front ring design of the front ring material of the front ring silver  PFONT ing protection class IP of the terminal degree of protection NEMA rating shock 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 60068-2-8 Substance Prohibitance (Date) 100.10012014	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	design of the product	Actuating/signaling element
manufacturer's article number of included key  Actuator  principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, latching product extension optional light source No  olor  of the actuating element material of the actuating element shape of the actuating element shape of the actuating element wetal shape of the actuating element New outer diameter of the actuating element number of switching positions switch position for key distraction olockwise olockwise olockwise olockwise olockwise source anticlockwise lock make BCS key number S1  Front ring product component front ring design of the front ring slandard material of the front ring solor of the front ring color of the front ring material of the front ring solver of the terminal protection class IP of the terminal legeo of protection NEMA rating shock resistance according to IEC 60068-2-6 operating frequency maximum shock resistance according to IEC 60068-2-6 operating frequency maximum 1800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 1001/2014	product type designation	3SU1
Actuator  principle of operation of the actuating element latching/momentary contact, 2x45* (10:30 h/12 h/13:30 h), return from right, latching product extension optional light source No color  of the actuating element silver material of the actuating element metal shape of the actuating element Metal Shape of the actuating element Metal Shape of the actuating element Metal Metal Shape of the actuating element Metal	product line	Metal, shiny, 22 mm
principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, latching product extension optional light source  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 O actuating angle • clockwise 45° • anticlockwise 45° • anticlockwise 45° lock make BCS key number S1 Front ring product component front ring Yes design of the front ring Metal, high gloss color of the front ring silver  General technical data protection class IP IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 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 reference code according to IEC 81346-2 S Substance Prohibitance (Date)  10.0012014	manufacturer's article number of included key	3SU1950-0FD80-0AA0
product extension optional light source  color  of the actuating element material of the actuating element shape of the actuating element couter diameter of the actuating element number of switching positions 3 switch position for key distraction octuating angle clockwise clockwise anticlockwise step unmber  Front ring product component front ring design of the front ring color of the front ring solor of the front ring solor of the front ring degree of protection NEMA rating shock resistance according to IEC 60068-2-6 operating requency maximum mechanical service (Ife (operating cycles) typical reference code according to IEC 61346-2 Substance Prohibitance (Date)  Substance Prohibitance (Date)	Actuator	
color  • of the actuating element material of the actuating element shape of the actuating element cuter diameter of the actuating element number of switching positions 3 switch position for key distraction actuating angle • clockwise • clock make key number  St  Front ring product component front ring design of the front ring material of the front ring silver  General technical data protection class IP • of the terminal degree of protection NEMA rating shock resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Silver  Selver  Substance  10500 Hz: 59 Operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  10.001/2014	principle of operation of the actuating element	latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching
• of the actuating element material of the actuating element shape of the actuating element couter diameter of the actuating element number of switching positions switch position for key distraction octockwise clockwise clockwise distriction octockwise design of the front ring distriction octockwise design of the front ring Standard material of the front ring Metal, high gloss octor of the front ring octockwise distriction octockwis	product extension optional light source	No
material of the actuating element shape of the actuating element shape of the actuating element cut diameter of the actuating element number of switching positions switch position for key distraction octuating angle clockwise defended by a children by a control by	color	
shape of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction O actuating angle e clockwise 45° e anticlockwise 45° lock make BCS key number S1 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 e of the terminal degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance e according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1800 1/001/2014 substance Prohibitance (Date) 10/01/2014	of the actuating element	silver
outer diameter of the actuating element number of switching positions switch position for key distraction octuating angle elockwise for anticlockwise dafe anticlockwise step number State  Front ring product component front ring design of the front ring material of the front ring silver  General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance e according to IEC 60068-2-6 operating Froquery maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  9  0  0  0  0  0  0  0  0  0  0  0  0	material of the actuating element	metal
number of switching positions  switch position for key distraction  actuating angle  • clockwise  • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise    45°   60ck make   BCS   key number   S1   Front ring   Front ring   Front ring   Yes   design of the front ring   material of the front ring   material of the front ring   silver   General technical data   protection class IP  • of the terminal   IP20   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)   10/01/2014	shape of the actuating element	Key
switch position for key distraction  actuating angle  • clockwise  • anticlockwise  • anticlockwise  (bok make  (bok make)  (bok make  (bok make)  (	outer diameter of the actuating element	29.5 mm
actuating angle	number of switching positions	3
clockwise anticlockwise anticlockwise back anticlockwise back back back back back back back back	switch position for key distraction	0
lock make  lock make  BCS  key number  S1  Front ring  product component front ring  product component front ring  Metal, high gloss  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)	actuating angle	
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 color of the front ring 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 operating frequency maximum mechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  BCS Standard Stan Yes  Metal, high gloss silver  BC6, IP67, IP69(IP69K) IP20 IP20 IP20 IP20 IP20 IP20 IP20 IP20	• 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  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)  Yes  Yes  Wes  Head, Nes  Standard  Metal, high gloss  Standard  Metal, high gloss  Silver  Be6, IP67, IP69(IP69K)  IP20  IP66, IP67, IP69(IP69K)  IP20  IP20	anticlockwise	45°
Front ring  product component front ring  design of the front ring  Metal, high gloss  color of the front ring  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  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance (Date)	lock make	BCS
product component front ring  design of the front ring  material of the front ring  Color of the front ring  Standard  Metal, high gloss  color of the front ring  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  o according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  vibration resistance  o 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)	key number	S1
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  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  1 Metal, high gloss  Metal, high gloss  silver  IP66, IP67, IP69(IP69K)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13  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  S  Substance Prohibitance (Date)	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)  Metal, high gloss  silver  According to IEC 60068-2  IP66, IP67, IP69(IP69K)  IP20  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  solve IP66, IP67, IP69(IP69K)  IP69, IP	product component front ring	Yes
color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  o according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  vibration resistance  o 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)	design of the front ring	Standard
protection class IP of the terminal lP20 degree of protection NEMA rating shock resistance o according to IEC 60068-2-27 vibration resistance o according to IEC 60068-2-6 operating frequency maximum rechanical service life (operating cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  IP20 IP66, IP67, IP69(IP69K) IP20 IP20 IP20 Sinusoidal half-wave 15g / 11 ms  vibration resistance 10 500 Hz: 5g  300 000  1800 1/h 1800	material of the front ring	Metal, high gloss
protection class IP  of the terminal  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  occording to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  vibration resistance  occording 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)	color of the front ring	silver
● 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  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)  1 0/01/2014	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  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	protection class IP	IP66, IP67, IP69(IP69K)
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	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  reference code according to IEC 81346-2  Substance Prohibitance (Date)  sinusoidal half-wave 15g / 11 ms  10 500 Hz: 5g	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
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)  10 500 Hz: 5g  300 000  1 800 1/h	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  reference code according to IEC 81346-2  Substance Prohibitance (Date)  10 500 Hz: 5g  300 000  1 800 1/h  300 000  1 900 1/001/2014	• 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 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	vibration resistance	
mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	• according to IEC 60068-2-6	10 500 Hz: 5g
reference code according to IEC 81346-2 S Substance Prohibitance (Date) S	operating frequency maximum	1 800 1/h
Substance Prohibitance (Date) 10/01/2014	mechanical service life (operating cycles) typical	300 000
	reference code according to IEC 81346-2	S
A 11 ( 19)	Substance Prohibitance (Date)	10/01/2014
Ambient conditions	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%)
nvironmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.593 kg
Global Warming Potential [CO2 eq] during manufacturing	0.625 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
Global Warming Potential [CO2 eq] after end of life	-0.267 kg
nstallation/ 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



**General Product Approval** 





Confirmation





**Test Certificates** 

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









other Environment

Confirmation EPD Typ II/III (with life

cylce assessment)

## 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=3SU1050-5PN01-0AA0

Cax online generator

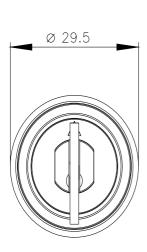
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5PN01-0AA0

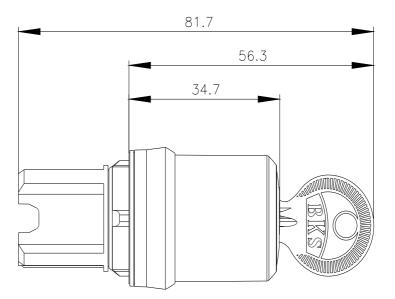
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5PN01-0AA0

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1050-5PN01-0AA0\&lang=en}}$ 





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