SIEMENS

Data sheet

3SU1030-5PN51-0AA0-Z Y01



Key-operated switch BKS, 22 mm, round, plastic with metal front ring, 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 O+I, Note: BKS locking systems E1 - E25 supplied without key

product brand name SIRUS ACT product designation Key-operated switches design of the product Actuating/signaling element product type designation 3SU1 product line Plastic with metal front ring, matt, 22 mm Actuator Iatching/momentary contact, 2x45° (10:30 h)/12 h/13:30 h), return from right, left liabching principle of operation of the actuating element Iatching/momentary contact, 2x45° (10:30 h)/12 h/13:30 h), return from right, left liabching 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 Orl 1 actuating angle 45° - clockwise 45° - clockwise 45° lock make BCS Front ring Standard material of the front ring Standard design of the tront ring Metal, matt color of the front ring Standard general tachnical datas <t< th=""><th></th><th></th></t<>		
design of the product Actuating/signaling element product type designation 3SU1 product time Plastic with metal front ring, matt, 22 mm Actuator Idching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching outer diameter of the actuating element metal shape of the actuating element Key outer diameter of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for kry distraction 0+1 actuating angle 45° • clockwise 45° lock make BCS Front ring Yes design of the front ring Standard material of the front ring Standard design of the front ring Standard design of the front ring Standard design of the front ring	product brand name	SIRIUS ACT
product type designation 3SU1 product line Pleasic with metal front ring, matt, 22 mm Actuator atching/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 metal shape of the actuating element metal shape of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction O+1 actuating angle 45° o lockwise 45° o othe trining Yes design of the front ring Metal, matt color of the front ring Itel, Inatt ore rallway applications according to EN 61373 Categ	product designation	Key-operated switches
product line Plastic with metal front ring, matt, 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 eithe actuating element silver material of the actuating element metal silver 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 Ot1 actuating angle 45° outer diameter of the actuating element 29.5 mm e anticlockwise 45° outer diameter of the actuating element 29.5 mm outer diameter of the actuating element Key outer diameter of the actuating element 29.5 mm outer diameter of the actuating element Key outer diameter of the actuating element 29.5 mm outer diameter of the actuating element Key outer diameter of the actuating element 29.5 mm outer diameter of the actuating element Ves distribution 045° <thocolockwise< th=""> 45° ou</thocolockwise<>	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 • of the actuating element silver material of the actuating element set outer diameter of the actuating element Key outer diameter 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+I actuating angle 45" • oldckwise 45" outer diameter of the front ring Yes design of the front ring Standard material of the front ring Standard color of the front ring Standard material of the front ring IP66, IP67, IP69(IP69K) • of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance isinusoidal 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 oibrati	product type designation	3SU1
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 material of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions switch position for key distraction O+1 actuating angle 45° • anticlockwise 45° 45° 45° • anticlockwise 45° 45° 45° • anticlockwise 45° 45° 45° olock make BCS 45° 45° front ring Yes 45° 45° design of the front ring Standard 45° material of the front ring Standard 45° olor of the front ring Standard 45° olor of the front ring sand gray 450 olor of the front ring sand gray 450 olor ralkexi apublications according to EC 60068-2-27 <	product line	Plastic with metal front ring, matt, 22 mm
Iatching product extension optional light source No color 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+I actuating angle 45° • clockwise 45° • anticlockwise 45° • anticlockwise BCS Front ring Yes product component front ring Metal, matt color of the front ring Standard material of the front ring Metal, matt color of the front ring sand gray General tochnical data IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance isinusoidal half-wave 15g / 11 ms • for railway applications according to EK 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EK 61373 Category 1, Class B vibration resistance 0	Actuator	
color 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+I actuating angle - - elockwise 45° - anticlockwise 45° - olockwise 9C - front ring Yes	principle of operation of the actuating element	
• of the actuating element metal shape of the actuating element Key outer diameter of the actuating element 2.9.5 mm number of switching positions 3 switch position for key distraction O-H actuating angle - • clockwise 45° • anticlockwise 8CS Front ring Yes design of the front ring Standard material of the front ring sand gray General technical data	product extension optional light source	No
material of the actuating element metal shape of the actuating element 29,5 mm number of switching positions 3 switch position for key distraction 0+1 actuating angle 45° • clockwise 45° • anticlockwise 8CS Front ring Yes design of the front ring Standard material of the front ring Yes color of the front ring Standard color of the front ring Metal, matt color of the front ring sand gray General technical data IP20 protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 1800 1/h • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 1800 1/h mechanical service life (operating cycles) typical 10000 reference code according to IEC 81346-2 S Substance Prohibitance (Da	color	
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+I actuating angle - • clockwise 45° • anticlockwise 45° • anticlockwise 45° ok make BCS Front ring yes product component front ring Yes design of the front ring Standard material of the front ring Standard material of the front ring Standard 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 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 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<	 of the actuating element 	silver
outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction OH actuating angle - • clockwise 45° • anticlockwise 45° • anticlockwise 45° lock make BCS Front ring Yes design of the front ring Standard material of the front ring Standard material of the front ring Standard general technical data	material of the actuating element	metal
number of switching positions 3 switch position for key distraction O+I actuating angle • • clockwise 45° • anticlockwise 45° • anticlockwise BCS Front ring Yes gelsign of the front ring Standard material of the front ring Metal, matt color of the front ring sandard color of the front ring sandard general technical data IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance 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 vibration resistance - • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B 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 1 0000 000 <tr< th=""><th>shape of the actuating element</th><th>Кеу</th></tr<>	shape of the actuating element	Кеу
switch position for key distraction O+I actuating angle 45° • clockwise 45° • anticlockwise 45° lock make BCS Front ring Yes design of the front ring Standard material of the front ring Metal, matt color of the front ring and gray 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 sinusoidal half-wave 15g / 11 ms of railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1800 1/h mechanical service life (operating cycles) typical 1000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	outer diameter of the actuating element	29.5 mm
actuating angle 45° • clockwise 45° • anticlockwise 45° lock make BCS Front ring Yes design of the front ring Standard material of the front ring Metal, matt color of the front ring sand gray General technical data IP20 general technical for tesistance 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 2 category 1, Class B • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 2 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 1 0000 000 <t< th=""><th>number of switching positions</th><th>3</th></t<>	number of switching positions	3
• clockwise45°• anticlockwise45°lock makeBCSFront ringproduct component front ringYesdesign of the front ringStandardmaterial of the front ringStandardcolor of the front ringsand grayGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical1 000 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	switch position for key distraction	O+I
• anticlockwise45°lock makeBCSFront ringStandardproduct component front ringYesdesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27• for railway applications according to EN 61373Category 1, Class Bvibration resistance•	actuating angle	
lock makeBCSFront ringYesdesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical1 000 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	clockwise	45°
Front ring product component front ring Yes 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 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 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 0	anticlockwise	45°
product component front ringYesdesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical1 000 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	lock make	BCS
design of the front ring Standard material of the front ring Metal, matt color of the front ring sand gray General technical data IP66, IP67, IP69(IP69K) 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 sinusoidal half-wave 15g / 11 ms of railway applications according to EN 61373 Category 1, Class B vibration resistance 0 500 Hz: 5g of 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 Substance Prohibitance (Date) 10/01/2014	Front ring	
material of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 msof railway applications according to EN 61373Category 1, Class Bvibration resistanceof railway applications according to EN 61373operating frequency maximum1 800 1/hmechanical service life (operating cycles) typical1 000 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	product component front ring	Yes
color of the front ringsand grayGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance	design of the front ring	Standard
General technical data 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 • 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 • for railway applications according to EN 61373 • 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 Substance Prohibitance (Date) 10/01/2014	material of the front ring	Metal, matt
protection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical1 000 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	color of the front ring	sand gray
• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance-• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance-• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical1 000 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	General technical data	
degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistanceinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical1 000 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	protection class IP	IP66, IP67, IP69(IP69K)
shock resistance 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 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 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 Substance Prohibitance (Date) 10/01/2014	of the terminal	IP20
• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical1 000 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	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 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 mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	shock resistance	
vibration resistance 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 operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
• 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 Substance Prohibitance (Date) 10/01/2014	 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 mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	vibration resistance	
operating frequency maximum1 800 1/hmechanical service life (operating cycles) typical1 000 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	 according to IEC 60068-2-6 	10 500 Hz: 5g
mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	 for railway applications according to EN 61373 	Category 1, Class B
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	operating frequency maximum	1 800 1/h
Substance Prohibitance (Date) 10/01/2014	mechanical service life (operating cycles) typical	1 000 000
	reference code according to IEC 81346-2	S
Ambient conditions	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		
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=3SU1030-5PN51-0AA0-Z Y01		
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5PN51-0AA0-Z Y01		
Service&Support (Manuals, Certificates, Characteristics, FAQs)		
https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5PN		
Image database (product images, 2D dimension drawings, 3E http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3S		

last modified:

1/26/2022 🖸