SIEMENS

Data sheet

3SU1000-5PP01-0AA0-Z Y01



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

product designation Key-operated switches design of the product Actuating/signaling element product type designation 3SU1 product line Plastic, black, 22 mm Actuator momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching product extension optional light source No color silver • 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 45° • clockwise 45° • anticlockwise 45° • anticlockwise 45° • anticlockwise 45° e anticlockwise 45° front ring Yes design of the front ring Yes design of the front ring Standard	product brand name	SIRIUS ACT
design of the product Actuating/signaling element product type designation 3SU1 product line Plastic, black, 22 mm Actuator momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching principle of operation of the actuating element momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching product extension optional light source No o of the actuating element silver 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 actuating angle - - clockwise 45° - anticlockwise 45° - anticlockwise 45° - anticlockwise 45° - actuating angle - - clockwise 45° - actuating of the front ring Yes design of the front ring Standard garant lechnical data - protection class IP IP66, IP67, IP69/(IP69K) - according to IEC 6008-2-27 sinusoidal half-wave 15g / 11 ms - according to IEC 6008-2-27 sinusoidal half-wave 15g / 11 ms - according to IEC 6008-2-6 10500 Hz: 5g <t< td=""><td>product brand name</td><td></td></t<>	product brand name	
product type designation 3SU1 product line Plastic, black, 22 mm Actuator momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching product extension optional light source No color of the actuating element material of the actuating element silver material of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for koy distraction 0 actuating angle 6:0ckWise e anticlockwise 45° lock make BCS Front ring Yes design of the front ring Yes design of the front ring plastic black Goneral technical data protection lass IP IP26, 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 e according to IEC 60068-2-67 10 500 Hz; 5g of rerailway applications accordi		
product line Plastic, black, 22 mm Actuator momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching product extension optional light source No color 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 O actuating angle - - clockwise 45° - anticlockwise 45° - anticlockwise 45° - anticlockwise 45° olock make BCS Front ring Yes design of the front ring Standard material of the front ring black Gonoral technical data IP20 ordeter of resistance sinusoidal half-wave 15g / 11 ms - for railway applications according to EN 61373 Category 1, Class B vibration resistance - - according to IEC 6008-2-6 10 500 Hz: 5g <td< td=""><td></td><td></td></td<>		
Actuator momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, 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 29.5 mm number of switching positions 3 switch position for key distraction O actuating angle 45° • clockwise 45° • anticlockwise 45° • anticlockwise 45° lock make BCS Front ring Standard material of the front ring plastic color of the front ring black General technical data IP20 or of the terminal IP20 • of the terminal IP20 • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-6 10 500 Hz: 5g • actuatior subchar subcitonis according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance		
principle of operation of the actuating element momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching product extension optional light source No color	•	Plastic, Diack, 22 mm
Inft, right lätching Inft, right lätching product extension optional light source No color silver • of the actuating element metal shape of the actuating element 29.5 mm 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° • anticlockwise 45° lock make BCS Product component front ring Yes design of the front ring Standard material of the front ring black General technical data IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance ainusoidal 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		
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 actuating angle - - clockwise 45° - anticlockwise 45° - anticlockwise 45° - anticlockwise 45° - anticlockwise 45° - clockwise 45° - anticlockwise 45° - anticlockwise 45° - otockwise 45° - otock or protect component front ring Standard material of the front ring plastic color of the front ring black General technical data IP20 ot the terminal IP20 - degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance - - according to EC 60068-2-27 sinusoidal half-wave 15g / 11 ms - for rallway applications according to EN 61373 Category 1, Class B operating frequency max	principle of operation of the actuating element	
• of the actuating elementsilvermaterial of the actuating elementmetalshape of the actuating elementKeyouter diameter of the actuating element29.5 mmnumber of switching positions3switch position for key distractionOactuating angle-• clockwise45°• actockwise45°• actockwiseBCSFront ringYesproduct component front ringStandardmaterial of the front ringplasticcolor of the front ringblackGeneral tochnical dataIP20efference code according to EN 61373Category 1, Class Bvibration resistance-• according to IEC 60068-2-810 500 Hz: 5gcording to IEC 60068-2-810 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service liffe (switching cycles) typical1 000 000reference code according to IEC 81346-2S	product extension optional light source	No
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 0 • clockwise 45° • anticlockwise 45° • anticlockwise BCS Front ring Yes design of the front ring Standard material of the front ring plastic color of the front ring black 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 10500 Hz: 5g • according to IEC 60068-2-6 10500 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	color	
shape of the actuating elementKeyouter diameter of the actuating element29.5 mmnumber of switching positions3switch position for key distractionOactuating angle-• clockwise45°• anticlockwise45°• anticlockwiseBCSProduct component front ringYesdesign of the front ringStandardmaterial of the front ringplasticcolor of the front ringblackCeneral technical dataIP20protection 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 resistance0 500 Hz; 5g• 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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	 of the actuating element 	silver
outer diameter of the actuating element29.5 mmnumber of switching positions3switch position for key distractionOactuating angleO• clockwise45°• anticlockwise45°• anticlockwiseBCSIock makeBCSFront ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataIP20degree 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 resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	material of the actuating element	metal
number of switching positions3switch position for key distractionOactuating angle• clockWise45°• anticlockwise45°• anticlockwiseBCSFront ringYesproduct component front ringYesdesign 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, 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 Bof railway applications according to EN 61373Category 1, Class Bof railway applications according to EN 61373Category 1, Class Bof railway applications according to EN 61373Category 1, Class Bof railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	shape of the actuating element	Кеу
switch position for key distraction O actuating angle 45° • clockwise 45° • anticlockwise 45° lock make BCS 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 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 1800 1/h mechanical service life (switching cycles) typical 1000 000 reference code according to IEC 81346-2 S	outer diameter of the actuating element	29.5 mm
actuating angle45°• clockwise45°• anticlockwise45°lock makeBCSFront ringYesproduct component front ringStandardmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataIP20protection class IPIP66, 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 resistance10 500 Hz: 5g• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bvibration resistance1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	number of switching positions	3
• clockwise45°• anticlockwise45°• lock makeBCSFront ringYesproduct component front ringStandarddesign 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, 13shock resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance0• according to IEC 60068-2-6710 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	switch position for key distraction	0
• anticlockwise45°lock makeBCSFront 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, 13shock resistancesinusoidal 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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	actuating angle	
lock makeBCSFront ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataIP20protection 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 resistance0 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• 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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	clockwise	45°
Front ring Yes gesign of the front ring Standard material of the front ring plastic color of the front ring black General technical data protection class IP of the terminal 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 the railway applications according to EN 61373 Category 1, Class B vibration resistance other railway applications according to EN 61373 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000 reference code according to IEC 81346-2 S	anticlockwise	45°
product 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, 13shock resistancesinusoidal 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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	lock make	BCS
design of the front ringStandardmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataIP66, IP67, IP69(IP69K)o of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 mso for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5go for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	Front ring	
material 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, 13shock resistancesinusoidal 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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	product component front ring	Yes
color of the front ringblackGeneral technical datalP66, IP67, IP69(IP69K)o of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 mso for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5go for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	design of the front ring	Standard
General technical dataprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal 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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	material of the front ring	plastic
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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	color of the front ring	black
• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance	General technical data	
degree 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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	protection class IP	IP66, IP67, IP69(IP69K)
shock 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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	• of the terminal	IP20
e 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 e according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 10 500 Hz: 5g category 1, Class B interference code according to EN 61373 for railway applications according to EN 61373 for railway applications according to EN 61373 feference code according to IEC 81346-2 S	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
• for railway applications according to EN 61373Category 1, Class Bvibration resistanceImage: Contemport of EC 60068-2-6• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class B• operating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	shock resistance	
vibration resistance10 500 Hz: 5g• 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 (switching cycles) typical1 000 000reference code according to IEC 81346-2S	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
e according to IEC 60068-2-6 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	 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 (switching cycles) typical 1 000 000 reference code according to IEC 81346-2 S	vibration resistance	
operating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	 according to IEC 60068-2-6 	10 500 Hz: 5g
mechanical service life (switching cycles) typical 1 000 000 reference code according to IEC 81346-2 S	 for railway applications according to EN 61373 	Category 1, Class B
reference code according to IEC 81346-2 S	operating frequency maximum	1 800 1/h
	mechanical service life (switching cycles) typical	1 000 000
Substance Prohibitance (Date) 10/01/2014	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=3SU1000-5PP01-0AA0-Z Y01		
Cax online generator		
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5PP01-0AA0-Z Y01		
Service&Support (Manuals, Certificates, Characteristics,		
https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-	<u>52201-0AA0-2 Y01</u>	

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-5PP01-0AA0-Z Y01&lang=en

last modified:

1/26/2022 🖸