SIEMENS

Data sheet

3SU1000-7BC10-0AA0-Z Y15



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal, momentary contact type, with mechanical interlocking, with laser labeling, upper case and lower case, always upper case at the beginning of the word

product brand name SIRUS ACT product designation Coordinate switches design of the product Actuating/signaling element product line Plastic, black, 22 mm Enclosure	•	
design of the product Actuating/signaling element product type designation 3SU1 product line Plastic, black, 22 mm Enclosure Image: Comparison of the actuating element number of command points 1 Actuator design of the actuating element principle of operation of the actuating element momentary contact type direction of actuation horizontal product actuating element No • light source No • contact module Yes color of the actuating element black material of the actuating element plastic outer diameter of the actuating element 30.5 mm marking of the actuating element 30.5 mm marking of the actuating element 30.5 mm number of switching positions 2 Maximum deflection angle [*] 30° Front ring product component front ring plastic plastic color of the front ring black design of the front ring black General technical acta protection nEMA r	product brand name	SIRIUS ACT
product type designation 3SU1 product line Plastic, black, 22 mm Enclosure Image of command points Actuator 1 Actuator with mechanical interlocking principle of operation of the actuating element momentary contact type direction of actuation horizontal product extension optional ight source e contact module Yes color of the actuating element black material of the actuating element black outer diameter of the actuating element S0.5 mm material of the actuating element 20.5 mm marking of the actuating element Apri inscription, text in upper/lower case, all words begin with upper case letters type of unlocking device push-to-unlatch mechanism number of switching positions 2 Product component front ring Yes design of the front ring plastic color of the front ring plastic	product designation	Coordinate switches
Product line Plastic, black, 22 mm Product line Plastic, black, 22 mm number of command points 1 Actuator momentary contact type design of the actuating element momentary contact type direction of actuation horizontal product extension optional No • light source No • contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element So mm marking of the actuating element 20.5 mm marking of the actuating element So mm number of switching positions 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 product component front ring black design of the front ring plastic color of the front ring black general technical data protection NEMA rating protection class IP IP65, IP67 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	design of the product	Actuating/signaling element
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Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element momentary contact type direction of actuation horizontal product extension optional No • light source No • contact module Yes color of the actuating element black material of the actuating element plastic shape of the actuating element S0.5 mm marking of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters type of unlocking device push-to-unlatch mechanism number of switching positions 2 Product component front ring Yes design of the front ring high material of the front ring plastic color of the front ring black General technical data protection class IP protection class IP IP65, IP67 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/	Enclosure	
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• light source No • contact module Yes color of the actuating element black material of the actuating element plastic shape of the actuating element Extended handle outer diameter of the actuating element 30.5 mm marking of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring Yes design of the front ring high material of the front ring plastic color of the front ring black General technical data general technical data protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-27 • according to IEC 60068-2-6 10 500 Hz; 5g operating period per direction of actuation typical 500 000	direction of actuation	horizontal
• contact module Yes color of the actuating element black material of the actuating element plastic shape of the actuating element So.5 mm outer diameter of the actuating element 30.5 mm marking of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring Yes design of the front ring Yes design of the front ring plastic color of the front ring black General technical data IP65, IP67 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-27 e according to IEC 60068-2-65 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) 500 000	product extension optional	
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outer diameter of the actuating element 30.5 mm marking of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring Yes design of the front ring high material of the front ring plastic color of the front ring black General technical data IP65, IP67 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 vibration resistance 2 400 1/h • as operating period per direction of actuation typical 500 000	material of the actuating element	plastic
marking of the actuating elementAny inscription, text in upper/lower case, all words begin with upper case letterstype of unlocking devicepush-to-unlatch mechanismnumber of switching positions2Maximum deflection angle [°]30°Front ringYesproduct component front ringYesdesign of the front ringplasticcolor of the front ringblackGeneral technical dataIP65, IP67protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistanceeaccording to IEC 60068-2-27vibration resistance10 500 Hz: 5goperating frequency maximum2 400 1/hmechanical service life (switching cycles)500 000	shape of the actuating element	Extended handle
case letters type of unlocking device number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring black General technical data protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h	outer diameter of the actuating element	30.5 mm
number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring Yes design of the front ring high material of the front ring plastic color of the front ring black General technical data protection class IP IP65, IP67 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 2 400 1/h mechanical service life (switching cycles) 500 000	marking of the actuating element	
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Front ring Yes design of the front ring high material of the front ring plastic color of the front ring black General technical data protection class IP protection class IP IP65, IP67 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms vibration resistance 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) 500 000	number of switching positions	2
product component front ringYesdesign of the front ringhighmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataprotection class IPIP65, IP67degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 msvibration resistance• according to IEC 60068-2-610 500 Hz: 5goperating frequency maximum2 400 1/hmechanical service life (switching cycles)500 000	Maximum deflection angle [°]	30°
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General technical data protection class IP 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 vibration resistance according to IEC 60068-2-6 • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) 500 000	material of the front ring	plastic
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degree 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 msvibration resistance10 500 Hz: 5g• according to IEC 60068-2-610 500 Hz: 5g• operating frequency maximum2 400 1/hmechanical service life (switching cycles)500 000	General technical data	
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• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 msvibration resistance10 500 Hz: 5g• according to IEC 60068-2-610 500 Hz: 5goperating frequency maximum2 400 1/hmechanical service life (switching cycles)500 000	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
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operating frequency maximum2 400 1/hmechanical service life (switching cycles)500 000• as operating period per direction of actuation typical500 000	vibration resistance	
mechanical service life (switching cycles) • as operating period per direction of actuation typical 500 000	 according to IEC 60068-2-6 	10 500 Hz: 5g
as operating period per direction of actuation typical 500 000	operating frequency maximum	2 400 1/h
	mechanical service life (switching cycles)	
reference code according to IEC 81346-2 S	as operating period per direction of actuation typical	500 000
	reference code according to IEC 81346-2	S

Substance Prohibitance (Date)	10/01/2014
Safety related data	
B10 value with high demand rate according to SN 31920	250 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	20 %
 with high demand rate according to SN 31920 	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
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	30.5 mm
width	30.5 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	75.6 mm
installation width	30.5 mm
installation depth	25.5 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=3SU1000-7BC10-0AA0-Z Y15 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7BC10-0AA0-Z Y15	
Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-	

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7BC10-0AA0-Z Y15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-7BC10-0AA0-Z Y15&lang=en

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