SIEMENS

Data sheet



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical latching, with mechanical interlocking, Z=50-unit packaging

product type designation design of the product product type designation product type designation product type designation product type designation number of command points 1 Actuation design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source color of the actuating element black shape of the actuating element plastic outer diameter of the actuating element black shape of the actuating element black shape of the actuating element black shape of the actuating element shape of the actuating element plastic shape of the actuating element puber of witching positions 2 Maximum deflection angle [7] Front ring product component front ring design of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring black Ceneral technical data protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-6 poperating frequency maximum pechanical service life (operating cycles) a so operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Dato) Sifety related data B10 value with high demand rate according to SN 31920 100 000	product brand name	SIRIUS ACT
product type designation 3SU1 product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation vertical product extension optional light source oontact module Yes color of the actuating element black material of the actuating element plastic shape of the actuating element plastic shape of the actuating element Extended handle outer diameter of the actuating element governous plastic shape of switching positions 2 maximum deflection angle [*] 30° Front ring product component front ring high material of the front ring plastic color of the front ring black 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 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-6 10 500 Hz; 5g operating period per direction of actuation typical reference code according to IEC 81346-2 S Substance Prohibitiance (Date) Safety related data	product designation	Coordinate switches
product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element vertical product extension optional ilight source vontact module Yes color of the actuating element black material of the actuating element plastic shape of the actuating element stype of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [**] 30° Front ring product component front ring black design of the front ring plastic color of the front ring design of th	design of the product	Actuating/signaling element
Enclosure number of command points 1 Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation vertical product extension optional light source No oontact module Yes color of the actuating element plastic shape of the actuating element Extended handle outer diameter of the actuating element Suback material of the actuating element Extended handle outer diameter of the actuating element 30.5 mm type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [**] 30° Front ring product component front ring Yes design of the front ring plastic color of the front ring plastic shape 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 2400 Th mechanical service life (operating cycles) as operating period per direction of actuation typical reference code according to IEC 61346-2 Substance Prohibitance (Date) Substance Prohibitance (Date)	product type designation	3SU1
number of command points 1 Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation vertical product extension optional • light source No No State actuating element latching lat	product line	Plastic, black, 22 mm
design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation vertical product extension optional • light source vertical vertical vertical vertical vertical product extension optional • light source vertical v	Enclosure	
design of the actuating element with mechanical interlocking principle of operation of the actuating element latching vertical product extension optional eligible source No econtact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element South module Extended handle outer diameter of the actuating element South module South modul	number of command points	1
principle of operation of the actuating element direction of actuation product extension optional elight source color of the actuating element material of the actuating element shape of the actuating element cuter diameter of the actuating element push-to-unlatch mechanism type of unlocking device number of switching positions Awaimund deflection angle [*] product component front ring design of the front ring color of the front ring product component front ring plastic color of the front ring plastic color of the front ring protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms elements of the content of the content of actuation typical reference code according to IEC 60184-2 Substance Prohibitance (Date) Safety related data	Actuator	
direction of actuation product extension optional light source	design of the actuating element	with mechanical interlocking
product extension optional • light source • contact module • contact module Yes color of the actualting element black material of the actuating element shape of the actuating element type of the actuating element shape of the actuating element type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] 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 class IP 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 2 400 1/h mechanical service life (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	principle of operation of the actuating element	latching
• light source • contact module Yes color of the actuating element black material of the actuating element outer diameter of the actuating element ype of unlocking device number of switching positions 2 Maximum deflection angle [°] 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 class IP 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 2 400 1/h mechanical service life (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	direction of actuation	vertical
color of the actuating element black material of the actuating element shape of the actuating element outer diameter of the actuating element type of unlocking device number of switching positions 2 Maximum deflection angle [*] product component front ring design of the front ring material of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring protection class IP 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 2 400 1/h mechanical service life (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data Safety related data Substance Prohibitance (Date) 10 Logo (Date) 10 Logo (Date) 10 Lo	product extension optional	
color of the actuating element material of the actuating element shape of the actuating element cuter diameter of the actuating element sype of unlocking device number of switching positions 2 Maximum deflection angle [*] 30° Front ring product component front ring design of the front ring color of the front ring color of the front ring plastic color of the front ring protection class IP 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 ceference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data Suppose for class of the food of actuation typical shock resistance a so operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	• light source	No
material of the actuating element shape of the actuating element outer diameter of the actuating element type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] 30° Front ring product component front ring design of the front ring color of the front ring color of the front ring black General technical data protection class IP 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 2 400 1/h mechanical service life (operating cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	contact module	Yes
shape of the actuating element outer diameter of the actuating element type of unlocking device number of switching positions 2 Maximum deflection angle [*] product component front ring design of the front ring material of the front ring plastic color of the front ring protection class IP 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) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	color of the actuating element	black
outer diameter of the actuating element type of unlocking device push-to-unlatch mechanism 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 class IP 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) as so perating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	material of the actuating element	plastic
type of unlocking device number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring 4 yes design of the front ring 5 plastic color of the front ring 5 plastic color of the front ring 6 plastic protection class IP 6 protection NEMA rating 7 yes, as a sperating 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 (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) 100 000 Safety related data	shape of the actuating element	Extended handle
number of switching positions Maximum deflection angle [*] product component front ring product component front ring design of the front ring material of the front ring color of the front ring plastic color of the front ring black General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Safety related data	outer diameter of the actuating element	30.5 mm
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 (operating cycles) • as operating period per direction of actuation typical 100 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) Safety related data	type of unlocking device	push-to-unlatch mechanism
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 class IP 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 2 400 1/h mechanical service life (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	number of switching positions	2
product component front ring design of the front ring high material of the front ring color of the front ring black General technical data protection class IP 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 2 400 1/h mechanical service life (operating cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	Maximum deflection angle [°]	30°
design of the front ring material of the front ring plastic color of the front ring black 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 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 (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014 Safety related data	Front ring	
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 (operating cycles) • as operating period per direction of actuation typical 100 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data	product component front ring	Yes
color of the front ring 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 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 (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	design of the front ring	high
protection class IP 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 (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	material of the front ring	plastic
protection class IP 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 • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	color of the front ring	black
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 (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	General technical data	
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 (operating cycles) • as operating period per direction of actuation typical 100 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data	protection class IP	IP65, IP67
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 (operating cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
vibration resistance • according to IEC 60068-2-6 • according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	shock resistance	
according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (operating cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
operating frequency maximum 2 400 1/h mechanical service life (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	vibration resistance	
mechanical service life (operating cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	• according to IEC 60068-2-6	10 500 Hz: 5g
• as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Safety related data	operating frequency maximum	2 400 1/h
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Safety related data	mechanical service life (operating cycles)	
Substance Prohibitance (Date) Safety related data	as operating period per direction of actuation typical	100 000
Safety related data	reference code according to IEC 81346-2	S
	Substance Prohibitance (Date)	10/01/2014
B10 value with high demand rate according to SN 31920 100 000	Safety related data	
	B10 value with high demand rate according to SN 31920	100 000

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	

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,...)

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1000-7BB10-0AA0-Z X90

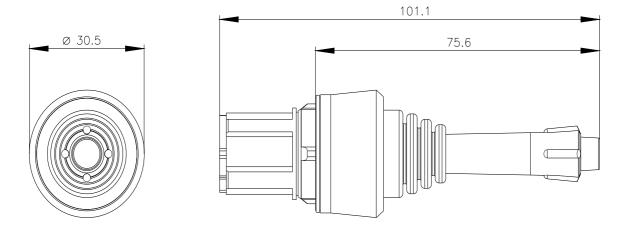
Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1000-7BB10-0AA0-Z~X90}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7BB10-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-7BB10-0AA0-Z X90&lang=en



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