SIEMENS

Data sheet



Coordinate switch, 22 mm, round, plastic, black, 4 switch positions, momentary contact type, without mechanical interlocking, with laser labeling, upper case and lower case, always upper case at the beginning of the word

product designation design of the product product type designation product tilne Plastic, black, 22 mm Enclosure number of command points Actuating element principle of operation of the actuating element product extension optional elight source color of the actuating element material of the actuating element parking of the actuating element product extension optional elight source point actuating element parking of the actuating element product extension optional elight source point actuating element pastic shape of the actuating element parking of the actuating element pouter diameter of the actuating element plack pouter diamete	product brand name	SIRIUS ACT
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product line Enclosure number of command points Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element momentary contact type direction of actuation horizontal / vertical product extension optional • light source • contact module 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 Any inscription, text in upper/lower case, all words begin with upper case letters number of switching positions 4 Maximum deflection angle [°] 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 IP65, IP67 degree of protection NEMA rating 1. 2, 3, 3R, 4, 4X, 12, 13	design of the product	Actuating/signaling element
Institution of the actuating element without mechanical interlock principle of operation of the actuating element direction of actuation product extension optional Institution of the actuating element black plack plack plack product extension optional Institution of the actuating element plack protection class IP plack protection NEMA rating plack protection NEMA rating plack plack protection NEMA rating plack plack plack protection NEMA rating plack plack plack protection NEMA rating plack plack plack plack protection NEMA rating plack plack plack protection NEMA rating plack pl	product type designation	3SU1
number of command points Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element direction of actuation product extension optional • light source No ocntact module Yes color of the actuating element plack protection class IP IP65, IP67 plack protection NEMA rating plack	product line	Plastic, black, 22 mm
Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element momentary contact type direction of actuation horizontal / vertical product extension optional elight source No econtact module Yes color of the actuating element black material of the actuating element plastic shape of the actuating element available outer diameter of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters number of switching positions 4 Maximum deflection angle [°] 30° Front ring roduct component front ring high material of the front ring plastic color of the front ring black General technical data protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	Enclosure	
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direction of actuation product extension optional • light source • contact module color of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element number of switching positions 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 plastic color of the front ring plastic color of the front ring protection class IP degree of protection NEMA rating No Yes No Yes No Yes Any inscription, text in upper/lower case, all words begin with upper case letters available to the service of the serv	design of the actuating element	without mechanical interlock
product extension optional Iight source	principle of operation of the actuating element	momentary contact type
● light source ● contact module Color of the actuating element plastic shape of the actuating element puter diameter of the actuating element marking of the actuating element marking of the actuating element and the actuating element Maximum deflection angle [°] Front ring product component front ring design of the front ring material of the front ring material of the front ring General technical data protection class IP degree of protection NEMA rating black Plastic black No Yes Lextended handle Extended handle Any inscription, text in upper/lower case, all words begin with upper case letters any one Set yes Any inscription, text in upper/lower case, all words begin with upper case letters any Any inscription, text in upper/lower case, all words begin with upper case letters any Any inscription, text in upper/lower case, all words begin with upper case letters any Any inscription, text in upper/lower case, all words begin with upper case letters any Any inscription, text in upper/lower case, all words begin with upper case letters any Any inscription, text in upper/lower case, all words begin with upper case letters any Any inscription, text in upper/lower case, all words begin with upper case letters any Any inscription, text in upper/lower case, all words begin with upper case letters any Any inscription, text in upper/lower case, all words begin with upper case letters any Any inscription, text in upper/lower case, all words begin with upper case letters any inscription, text in upper/lower case, all words begin with upper case letters any inscription, text in upper/lower case, all words begin with upper case letters any inscription, text in upper/lower case, all words begin with upper case letters any inscription, text in upper/lower case, all words begin with upper case letters any inscription, text in upper/lower case, all words begin with upper case letters any inscription, text in upper/lower case, all words begin with upper case letters any inscription, text in upper/lower ca	direction of actuation	horizontal / vertical
 contact module color of the actuating element black material of the actuating element plastic shape of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters number of switching positions 4 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 1, 2, 3, 3R, 4, 4X, 12, 13 	product extension optional	
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material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element number of switching positions Maximum deflection angle [°] product component front ring design of the front ring material of the front ring plastic color of the front ring General technical data protection class IP degree of protection NEMA rating plastic Extended handle averaged handle 30.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters 4 4 4 4 4 4 4 4 4 4 4 4 4	contact module	Yes
shape of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions Maximum deflection angle [°] product component front ring design of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating Extended handle 30.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters 4 4 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Maximum deflection, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Maximum deflection angle [°] 30° Front ring product component front ring high plastic black General technical data protection class IP 1, 2, 3, 3R, 4, 4X, 12, 13	color of the actuating element	black
outer diameter of the actuating element marking of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters number of switching positions Maximum deflection angle [°] 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 1, 2, 3, 3R, 4, 4X, 12, 13	material of the actuating element	plastic
marking of the actuating element Any inscription, text in upper/lower case, all words begin with upper case letters number of switching positions 4 Maximum deflection angle [°] 30° 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 General technical data protection class IP degree of protection NEMA rating Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription, text in upper/lower case, all words begin with upper case letters 4 Any inscription case, all words begin with upper case letters 4 Any inscription case, all words begin with upper case letters 4 Any inscription case, all words begin with upper case letters 4 Any inscription case, all words begin with upper case letters 4 Any inscription case, all words begin with upper case letters 4 Any inscription case, all words begin with upper case letters 4 Any inscription case, all words begin with upper case, all words begin with upper case letters 4	shape of the actuating element	Extended handle
case letters number of switching positions 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	outer diameter of the actuating element	30.5 mm
Maximum deflection angle [°] Front ring product component front ring design of the front ring material of the front ring color of the front ring black General technical data protection class IP degree of protection NEMA rating 30° Yes high plastic plastic plack IP65, IP67 1, 2, 3, 3R, 4, 4X, 12, 13	marking of the actuating element	
product component front ring design of the front ring material of the front ring color of the front ring black General technical data protection class IP degree of protection NEMA rating Yes high plastic plastic plack IP65, IP67 1, 2, 3, 3R, 4, 4X, 12, 13	number of switching positions	4
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 Yes high plastic plastic black IP65, IP67 1, 2, 3, 3R, 4, 4X, 12, 13	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	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	product component front ring	Yes
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	design of the front ring	high
General technical data protection class IP degree of protection NEMA rating IP65, IP67 1, 2, 3, 3R, 4, 4X, 12, 13	material of the front ring	plastic
protection class IP IP65, IP67 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	color of the front ring	black
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	General technical data	
	protection class IP	IP65, IP67
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	shock resistance	
• according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
vibration resistance	vibration resistance	
• according to IEC 60068-2-6 10 500 Hz: 5g	according to IEC 60068-2-6	10 500 Hz: 5g
operating frequency maximum 2 400 1/h	operating frequency maximum	2 400 1/h
mechanical service life (switching cycles)	mechanical service life (switching cycles)	
• as operating period per direction of actuation typical 500 000	 as operating period per direction of actuation typical 	500 000
reference code according to IEC 81346-2	reference code according to IEC 81346-2	S
Substance Prohibitance (Date) 10/01/2014	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	71.3 mm
installation width	30.5 mm
installation depth	25.6 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=3SU1000-7AF10-0AA0-Z Y15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7AF10-0AA0-Z Y15

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7AF10-0AA0-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=3SU1000-7AF10-0AA0-Z Y15&lang=en

1/27/2022 last modified: