SIEMENS

Data sheet



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, vertical, 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 type designation product type designation product type designation product line Plastic with metal front ring, matt, 22 mm Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element without mechanical interlock momentary contact type vertical product extension optional light source color of the actuating element plastic shape of the actuating element plastic shape of the actuating element shape of the actuating element product game of the actuating element product component front ring product component front ring design of the front ring product component front ring design of the front ring product component front ring product component front ring product component front ring design of the front ring product component front ring design of the front ring sand gray Ceneral 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 mechanical service life (witching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014	product brand name	SIRIUS ACT
product type designation product line Plastic with metal front ring, matt, 22 mm Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source contact module roter actuating element plastic shape of the actuating element puter diameter of the actuating element plastic shape of the actuating element puter diameter of the actuating element arking of the actuating element pouter diameter of the actuating element arking of the actuating element arking of the actuating element product component front ring product component front ring design of the front ring material of the front ring material of the front ring sand gray Ceneral technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) a so operating period points of the contact of actuation typical reference code according to IEC 81346-2 SSUID Actuation resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) a so operating periode per direction of actuation typical reference code according to IEC 81346-2 SSUID Actuation resistance according to IEC 81346-2 SSUID Actuation resistance according to IEC 80068-2-8 ON With the metal front ring and the front ring should resistance according to IEC 80068-2-6 OD ON SOUND SOUND SOUND Actuation resistance according to IEC 80068-2-6 OD ON SOUND S	product designation	Coordinate switches
product line Plastic with metal front ring, matt, 22 mm Enclosure number of command points 1 Actuator design of the actuating element momentary contact type direction of actuation element without mechanical interlock momentary contact type e contact module vertical ve	design of the product	Actuating/signaling element
Inumber of command points Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element wertical product extension optional • light source No • contact module Yes color of the actuating element black material of the actuating element plastic shape of the actuat	product type designation	3SU1
number of command points Actuator	product line	Plastic with metal front ring, matt, 22 mm
Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element without mechanical interlock momentary contact type direction of actuation vertical	Enclosure	
design of the actuating element principle of operation of the actuating element direction of actuation product extension optional • light source • contact module color of the actuating element shape of the actuating element pastic shape of the actuating element shape of the actuating element pastic shape of the actuating element shape of the actuating element cuter diameter of the actuating element marking of the actuating element acase letters number of switching positions 2 Maximum deflection angle [*] Front ring product component front ring design of the front ring material of the front ring material of the front ring Metal, matt color of the front ring sand gray General technical date protection class IP degree of protection NEMA rating high case of protection NEMA rating high case of protection NEMA rating high color of the front ring shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 operating frequency maximum perference code according to IEC 81346-2 efference code according to IEC 81346-2 S	number of command points	1
principle of operation of the actuating element direction of actuation product extension optional • light source • contact module color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions 2 Maximum deflection angle [*] Front ring product component front ring design of the front ring material of the front ring design of the front ring color of the front ring protection class IP degree of protection NEMA rating **protection class IP degree of protection NEMA rating **protection resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 **No No No No No No No Service No No Extended handle Sextended handle Any inscription, text in upper/lower case, all words begin with upper case letters as letters 30.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters as letters 30.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters as letters Any inscription, text in upper/lower case, all words begin with upper case letters as letters 4 pasting pervice case, all words begin with upper case letters as place of the front ring and service life (switching cycles) • as operating pervice life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2	Actuator	
direction of actuation product extension optional • light source • contact module color of the actuating element material of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element marking 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 2 Maximum deflection angle [*] product component front ring product component front ring feering material of the front ring 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 mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	design of the actuating element	without mechanical interlock
product extension optional ● light source ● contact module color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element outer diameter of the actuating element anking anking of the actuating element anking of the actuating element anking anking anking of the actuating element anking anking anking of the actuating element anking anking of the actuating element anking of the a	principle of operation of the actuating element	momentary contact type
● contact module color of the actuating element black material of the actuating element material of the front ring color of the front ring color of the front ring sand gray General technical data protection class IP degree of protection NEMA rating shock resistance ● according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) ● as operating period per direction of actuation typical reference code according to IEC 81346-2 No Extended handle State Lextended handle State Lextended handle State Lextended handle State 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 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 10 50 Hz 50 Lz 50	direction of actuation	vertical
color of the actuating element color of the actuating element material of the actuating element shape of the actuating element 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 2 Maximum deflection angle [*] yes design of the front ring product component front ring material of the front ring material of the front ring sand gray General technical data protection class IP degree of protection NEMA rating shock resistance	product extension optional	
color of the actuating element material of the actuating element shape of the actuating element 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 2 Maximum deflection angle [*] Tront ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring sand gray General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Settended handle Extended handle Extended handle Extended handle Extended handle Extended handle Extended handle Shaper locked handle Extended handle Shaper locked handle Extended handle Extended handle Extended handle Extended handle Extended handle Source In Extended handle In Extended handle Extended handle Extended handle Extended handle In Extended handle Extended handle In Extended handl	• light source	No
material of the actuating element shape of the actuating element 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 2 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 material technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms protection resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 S source Stande Extended handle 20.5.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters 30.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters 9 a0° Perotection angle [°] 90° 90° 90° 90° 90° 90° 90° 90° 90° 90°	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 [°] Front ring product component front ring design of the front ring material of the front ring color of the front ring material 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 (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 Senator of the actuating substance and yinscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin the product component assertion with upper case letters a0.5 mm Any inscription, text in upper/lower case, all words begin the product component assertion. In upper/lower case letters a0.5 maximum deflection apper letters a0.5 maximum deflection apper letters a0.5 mm Any inscription, text in upper/lower assertion. A	color of the actuating element	black
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 number of switching positions 2 Maximum deflection angle [°] 30° Front ring Yes product component front ring high design of the front ring Metal, matt color of the front ring sand gray 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 vibration 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 e as operating period per direction of actuation typical 500 000 reference code according to IEC 81346-2 S	material of the actuating element	plastic
marking of the actuating element number of switching positions 2 Maximum deflection angle [°] product component front ring design of the front ring material of the front ring Metal, matt color of the front ring 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 mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 Any inscription, text in upper/lower case, all words begin with upper case letters 2 Any inscription, text in upper/lower case, all words begin with upper case letters 2 30° Front ring Yes high Metal, matt sand gray 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 period per direction of actuation typical reference code according to IEC 81346-2 S	shape of the actuating element	Extended handle
number of switching positions 2 Maximum deflection angle [°] Front ring product component front ring design of the front ring material of the front ring Color of the front ring 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 mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 S	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 Sand gray 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) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	marking of the actuating element	
product component front ring design of the front ring material of the front ring Metal, matt color of the front ring Sand gray 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 color of the front ring Metal, matt Metal, matt Protection Class IP IP65, IP67 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-7 sinusoidal half-wave 15g / 11 ms vibration resistance • according to IEC 60068-2-6 operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	number of switching positions	2
product component front ring design of the front ring material of the front ring Metal, matt color of the front ring Sand gray 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 operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	Maximum deflection angle [°]	30°
design of the front ring material of the front ring Metal, matt color of the front ring sand gray General technical data protection class IP lP65, 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) as operating period per direction of actuation typical reference code according to IEC 81346-2 S	Front ring	
material of the front ring 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 mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	product component front ring	Yes
color of the front ring 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 mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 sand gray IP65, IP67 1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms vibration resistance 10 500 Hz: 5g operating frequency maximum 2 400 1/h son operating frequency maximum 5 500 000	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 (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	material of the front ring	Metal, matt
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 mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	color of the front ring	sand gray
degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms 10 500 Hz: 5g 2 400 1/h 500 000 Solve the strength of the	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 (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	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 (switching cycles) ■ as operating period per direction of actuation typical reference code according to IEC 81346-2 Sinusoidal half-wave 15g / 11 ms 10 500 Hz: 5g 500 000 Solve the service in t	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
vibration resistance	shock resistance	
 according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 2 400 1/h mechanical service life (switching cycles) as operating period per direction of actuation typical reference code according to IEC 81346-2 S 	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
operating frequency maximum 2 400 1/h mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	vibration resistance	
mechanical service life (switching cycles) • as operating period per direction of actuation typical reference code according to IEC 81346-2 S	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 S	operating frequency maximum	2 400 1/h
reference code according to IEC 81346-2 S	mechanical service life (switching cycles)	
	as operating period per direction of actuation typical	500 000
Substance Prohibitance (Date) 10/01/2014	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	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=3SU1030-7AD10-0AA0-Z Y15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-7AD10-0AA0-Z Y15

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-7AD10-0AA0-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=3SU1030-7AD10-0AA0-Z Y15&lang=en

1/27/2022 last modified: