SIEMENS

Data sheet



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical, momentary contact type, without mechanical interlocking, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

product designation design of the product product product ype designation product tine Enclosure number of command points Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element momentary contact type ilight source ilight source color of the actuating element black material of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of she actuating element arking of the actuating element arking element arking of the actuating element arking element elem	product brand name	SIRIUS ACT
product type designation product line Enclosure number of command points Actuator 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 material of the actuating element praking of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element puter diameter of the actuating element puter diameter 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 plastic pla	product designation	Coordinate switches
product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element direction of actuation vertical product extension optional • 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 Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) number 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	design of the product	Actuating/signaling element
Enclosure number of command points Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element direction of actuation vertical product extension optional • light source No • contact module Yes color of the actuating element black material of the actuating element Extended handle outer diameter of the actuating element 30.5 mm marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) number 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	product type designation	3SU1
number 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 plastic shape of the actuating element Extended handle outer diameter of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN) number of switching positions 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	product line	Plastic, black, 22 mm
Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element wortical momentary contact type vertical	Enclosure	
design of the actuating element principle of operation of the actuating element direction of actuation product extension optional elight source contact module color of the actuating element shape of the actuating element marking of the actuating element marking of switching positions product component front ring product component front ring material of the front ring material of the front ring General technical data	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 shape of the actuating element marking of the actuating element marking of switching positions number of switching positions product component front ring design of the front ring material of the front ring General technical data momentary contact type vertical notation yes design of the front ring plastic black General technical data	Actuator	
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 switching positions mumber of switching positions front ring product component front ring design of the front ring material of the front ring General technical data	design of the actuating element	without mechanical interlock
product extension optional light source	principle of operation of the actuating element	momentary contact type
Ilight source	direction of actuation	vertical
ocontact 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 marking of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element mumber 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	product extension optional	
color of the actuating element material of the actuating element shape of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the actuating element mumber 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 Maximum deflection and black General technical data	• light source	No
material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element mumber of switching positions 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	• contact module	Yes
shape of the actuating element outer diameter of the actuating element marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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	color of the actuating element	black
outer diameter of the actuating element marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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 General technical data	material of the actuating element	plastic
marking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) 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 General technical data	shape of the actuating element	Extended handle
configurator/Configuration Identification Number (CIN) 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 General technical 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	marking of the actuating element	
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	number of switching positions	2
product component front ring design of the front ring material of the front ring color of the front ring black General technical data	Maximum deflection angle [°]	30°
design of the front ring material of the front ring color of the front ring black General technical data	Front ring	
material of the front ring plastic color of the front ring black General technical data	product component front ring	Yes
color of the front ring black General technical data	design of the front ring	high
General technical data	material of the front ring	plastic
	color of the front ring	black
protection class ID	General technical data	
protection class in 1703, 1707	protection class IP	IP65, IP67
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	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=3SU1000-7AD10-0AA0-Z Y19

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7AD10-0AA0-Z Y19

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7AD10-0AA0-Z Y19

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-7AD10-0AA0-Z Y19&lang=en

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