SIEMENS

Data sheet 3SU1030-7BC10-0AA0-Z Y15

	Coordinate switch, 22 mm, round, plastic with metal front ring, 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	SIRIUS ACT
product designation	Coordinate switches
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Plastic with metal front ring, matt, 22 mm
Enclosure	
number of command points	1
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	
● 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	Customized labeling, text in lower case/capital letters, all words start with capital letters
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	high
material of the front ring	Metal, matt
color 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 15 g / 11 ms
vibration resistance	
● according to IEC 60068-2-6	10 ... 500 Hz: 5 g
operating frequency maximum	2 400 1/h
mechanical service life (operating cycles)	
● as operating period per direction of actuation typical	500 000
reference code according to IEC 81346-2	S
Substance Prohibitance (day/month/year)	10/01/2014
Net Weight	0.054 kg
Safety related data	
proportion of dangerous failures	
● with low demand rate according to SN 31920	20 %
● with high demand rate according to SN 31920	20 %
B10 value with high demand rate according to SN 31920	250 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT

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IEC 61508	
T1 value for proof test interval or service life according to IEC 61508	20 a
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	75.5 mm
installation width	30.5 mm
installation depth	25.5 mm

Approvals Certificates

Environment	General Product Approval				Test Certificates
Environmental Confirmations					Type Test Certificates/Test Report

Test Certificates	Maritime application				other
Special Test Certificate					Confirmation

other

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3SU1030-7BC10-0AA0-Z Y15
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-7BC10-0AA0-Z Y15
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-7BC10-0AA0-Z Y15
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-7BC10-0AA0-Z Y15&lang=en

last modified: 5/5/2026

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