

Siemens
EcoTech



Coordinate switch, 22 mm, round, metal shiny, black, 2 switch positions, vertical momentary contact type, without mechanical interlocking



product brand name	SIRIUS ACT
product designation	Coordinate switches
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Metal, shiny, 22 mm
Enclosure	
number of command points	1
Actuator	
design of the actuating element	without mechanical interlock
principle of operation of the actuating element	momentary contact type
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	30.5 mm
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, high gloss
color of the front ring	silver
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	
SVHC substance name	Melamine CAS-No. 108-78-1	
Net Weight	86 g	
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	
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	71.3 mm	
installation width	30.5 mm	
installation depth	25.6 mm	
Environmental footprint		
Environmental Product Declaration (EPD)	Yes	
global warming potential [CO2 eq] total	0.593 kg	
global warming potential [CO2 eq] during manufacturing	0.625 kg	
global warming potential [CO2 eq] during operation	0.235 kg	
global warming potential [CO2 eq] after end of life	-0.267 kg	
Siemens eco profile (SEP)	Siemens EcoTech	
Approvals Certificates		
Environmental Product Declaration		
• global warming potential [CO2 eq] / during manufacturing	0.625 kg	
• global warming potential [CO2 eq] / during operation	0.235 kg	
• global warming potential [CO2 eq] / after end of life	-0.267 kg	
• global warming potential [CO2 eq] / total	0.593 kg	
Environment		
General Product Approval		
Environmental Confirmations     		
General Product Approval	Test Certificates	Maritime application
	Type Test Certificates/Test Report	Special Test Certificate
		
		
Maritime application	other	



[Confirmation](#)



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=3SU1050-7AD88-0AA0>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-7AD88-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-7AD88-0AA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-7AD88-0AA0&lang=en

last modified:

4/4/2026