



Coordinate switch, 22 mm, round, metal shiny, black, 4 switch positions, momentary contact type, without mechanical interlocking, Z=50-unit packaging

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
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	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	4
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	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
operating frequency maximum	3 600 1/h
mechanical service life (switching cycles)	
• as operating period per direction of actuation typical	500 000
reference code acc. to IEC 81346-2	S
Safety related data	
B10 value with high demand rate acc. to SN 31920	250 000
proportion of dangerous failures	

• with low demand rate acc. to SN 31920	20 %
• with high demand rate acc. to SN 31920	20 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
T1 value for proof test interval or service life acc. to IEC 61508	20 y

Ambient conditions

• ambient temperature during operation	-25 ... +70 °C
• ambient temperature during storage	-40 ... +80 °C
environmental category during operation acc. 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=3SU1050-7AF88-0AA0-Z X90>

Cax online generator

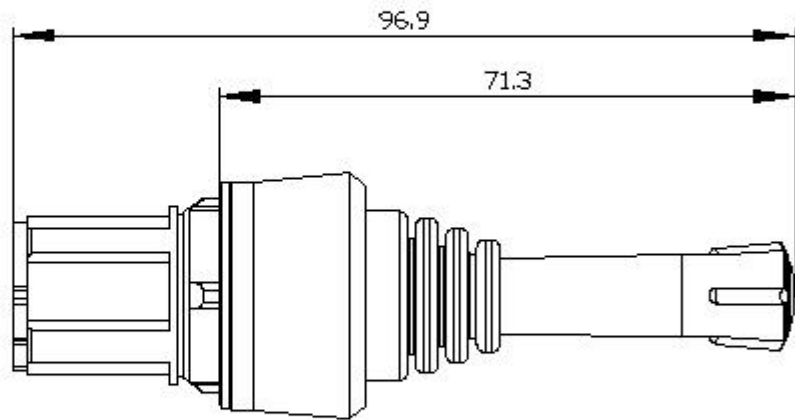
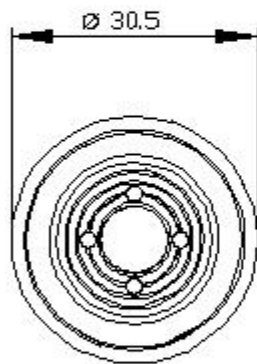
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-7AF88-0AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-7AF88-0AA0-Z X90>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-7AF88-0AA0-Z X90&lang=en



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