

Coordinate switch, 22 mm, round, metal shiny, black, 4 switch positions, 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 |

| Actuator | |
|---------------------------------------------|------------------------------|
| Design of the operating mechanism | without mechanical interlock |
| Manner of function of the actuating element | momentary contact type |
| Direction of actuation | horizontal / vertical |
| 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 50 g / 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 DIN EN 81346-2 | S |
| Reference code acc. to DIN EN 61346-2 | 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 |
| • 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 | |

| | | | | |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| General Product Approval | | | Declaration of Conformity | Test Certificates |
|  CSA |  UL |  |  EG-Konf. | Miscellaneous Type Test Certificates/Test Report |

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|-------------------|-------------------|
| Test Certificates | Marine / Shipping |
|-------------------|-------------------|

[Special Test Certificate](#)



ABS



LRS



PRS



RINA



RMRS

| | |
|-------------------|-------|
| Marine / Shipping | other |
|-------------------|-------|

[Confirmation](#)



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>

Cax online generator

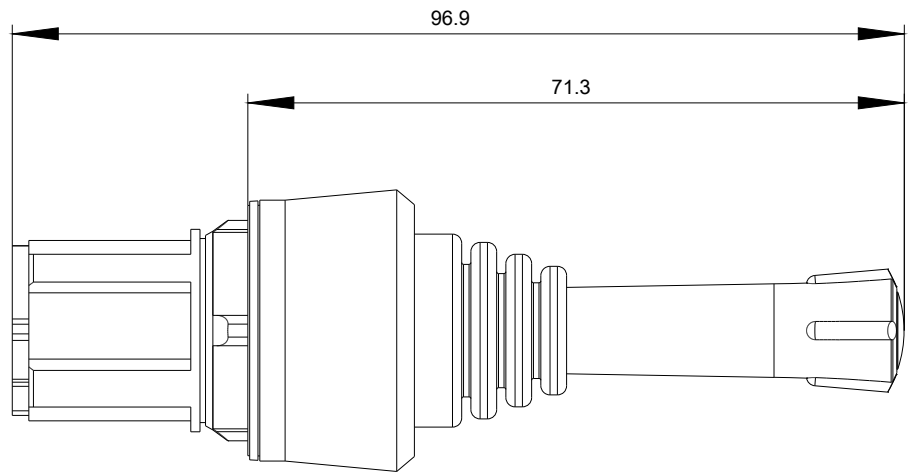
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-7AF88-0AA0>

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

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

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&lang=en



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