



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, horizontal, momentary contact type, with mechanical interlocking in O position, with holder, 1 NO, 1 NO, screw terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

| | |
|--|--|
| product brand name | SIRIUS ACT |
| product designation | Coordinate switches |
| design of the product | Complete unit |
| product type designation | 3SU1 |
| product line | Plastic with metal front ring, matt, 22 mm |
| manufacturer's article number | |
| <ul style="list-style-type: none"> • of supplied contact module at position 1 • of supplied contact module at position 3 • of the supplied holder • of the supplied actuator | 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1550-0BA10-0AA0 3SU1030-7BC10-0AA0 |
| Enclosure | |
| shape of the enclosure front | round |
| 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 |
| 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 | Any inscription, text in upper/lower case, every line begins with upper case letter |
| number of contact modules | 2 |
| 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 |
| Holder | |
| material of the holder | Plastic |
| General technical data | |
| product function positive opening | No |
| insulation voltage rated value | 500 V |
| degree of pollution | 3 |
| type of voltage of the operating voltage | AC/DC |

| | |
|---|---|
| surge voltage resistance rated value | 6 kV |
| protection class IP | IP65, IP67 |
| • of the terminal | IP20 |
| shock resistance | |
| • according to IEC 60068-2-27 | sinusoidal half-wave 15g / 11 ms |
| vibration resistance | |
| • according to IEC 60068-2-6 | 10 ... 500 Hz: 5g |
| operating frequency maximum | 2 400 1/h |
| mechanical service life (switching cycles) | |
| • as operating period per direction of actuation typical | 500 000 |
| electrical endurance (switching cycles) typical | 10 000 000 |
| electrical endurance (switching cycles) with contactors 3RT1015 to 3RT1026 typical | 10 000 000 |
| thermal current | 10 A |
| reference code according to IEC 81346-2 | S |
| continuous current of the C characteristic MCB | 10 A; for a short-circuit current smaller than 400 A |
| continuous current of the quick DIAZED fuse link | 10 A |
| continuous current of the DIAZED fuse link gG | 10 A |
| Substance Prohibitance (Date) | 10/01/2014 |
| operating voltage | |
| • at AC | |
| — at 50 Hz rated value | 5 ... 500 V |
| — at 60 Hz rated value | 5 ... 500 V |
| • at DC rated value | 5 ... 500 V |
| Power Electronics | |
| contact reliability | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |
| Auxiliary circuit | |
| design of the contact of auxiliary contacts | Silver alloy |
| number of NC contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts | 2 |
| Connections/ Terminals | |
| type of electrical connection of modules and accessories | Screw-type terminal |
| type of connectable conductor cross-sections | |
| • solid with core end processing | 2x (0.5 ... 0.75 mm ²) |
| • solid without core end processing | 2x (1.0 ... 1.5 mm ²) |
| • finely stranded with core end processing | 2x (0.5 ... 1.5 mm ²) |
| • finely stranded without core end processing | 2x (1.0 ... 1.5 mm ²) |
| • at AWG cables | 2x (18 ... 14) |
| tightening torque of the screws in the bracket | 1 ... 1.2 N·m |
| tightening torque for auxiliary contacts with screw-type terminals | 0.8 ... 1 N·m |
| 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%, no condensation in operation permitted for all devices behind front panel) |
| Installation/ mounting/ dimensions | |
| fastening method | front plate mounting |
| • of modules and accessories | Front plate mounting |
| height | 40 mm |
| width | 40 mm |

| | |
|---|---------|
| shape of the installation opening | round |
| mounting diameter | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm |
| mounting height | 75.6 mm |
| installation width | 30.5 mm |
| installation depth | 53.7 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=3SU1130-7BC10-1NA0-Z Y10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7BC10-1NA0-Z Y10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7BC10-1NA0-Z Y10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7BC10-1NA0-Z Y10&lang=en

last modified:

1/27/2022 