

Coordinate switch, 22 mm, round, plastic, black, 4 switch positions, latching, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, 1 NO, 1 NO, screw terminal,



| | |
|--|--|
| Product brand name | SIRIUS ACT |
| Product designation | Coordinate switches |
| Design of the product | Complete unit |
| Product type designation | 3SU1 |
| Manufacturer's article number | |
| <ul style="list-style-type: none"> • 1 of supplied contact module • 2 of supplied contact module • 3 of supplied contact module • 4 of supplied contact module • of the supplied holder • of the supplied actuator | <ul style="list-style-type: none"> 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1500-0BA10-0AA0 3SU1000-7AE10-0AA0 |

Enclosure

| | |
|-------------------------------------|-------|
| Shape of the enclosure front | round |
|-------------------------------------|-------|

Actuator

| | |
|--|------------------------------|
| Design of the operating mechanism | without mechanical interlock |
| Manner of function of the actuating element | Latching |
| Direction of actuation | horizontal / vertical |
| 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 |
| Number of contact modules | 4 |
| 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 | plastic |
| Color of the front ring | black |

| | |
|-------------------------------|---------|
| 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 | |
| • acc. to IEC 60068-2-27 | Sinusoidal half-wave 50 g / 11 ms |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B |
| Operating frequency maximum | 3 600 1/h |
| Mechanical service life (switching cycles) | |
| • as operating period per direction of actuation typical | 100 000 |
| 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 acc. to DIN EN 81346-2 | S |
| Reference code acc. to DIN EN 61346-2 | 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 |
| Operating voltage | |
| <ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — at 50 Hz rated value — at 60 Hz rated value • at DC <ul style="list-style-type: none"> — rated value | 5 ... 500 V 5 ... 500 V 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 | 4 |
| Number of CO contacts | |
| <ul style="list-style-type: none"> • for auxiliary contacts | 0 |

Connections/Terminals

| | |
|---|---|
| Type of electrical connection | |
| <ul style="list-style-type: none"> • of modules and accessories | Screw-type terminal |
| Type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG conductors | 2x (0.5 ... 0.75 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (0.5 ... 1.5 mm ²) 2x (1,0 ... 1,5 mm ²) 2x (18 ... 14) |
| Tightening torque of the screws in the bracket | 1 ... 1.2 N·m |
| Tightening torque | |
| <ul style="list-style-type: none"> • for auxiliary contacts with screw-type terminals | 0.8 ... 1 N·m |

Safety related data

| | |
|---|--------------|
| B10 value | |
| <ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 | 100 000 |
| Proportion of dangerous failures | |
| <ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 | 20 % 20 % |
| Failure rate [FIT] | |
| <ul style="list-style-type: none"> • 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
- during storage

-25 ... +70 °C

-40 ... +80 °C

Environmental category during operation acc. 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

| | |
|---|----------------------|
| • (mounting type) | front mounting |
| • Mounting type 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 | 71.3 mm |
| Installation width | 30.5 mm |
| Installation depth | 53.7 mm |

Certificates/approvals

General Product Approval



EG-Konf.

[Miscellaneous](#)

Test Certificates

Marine / Shipping

[Type Test Certificates/Test Report](#)



ABS



LRS



PRS



RINA



RMRS

Marine / Shipping

other

[Confirmation](#)



DNVGL.COM/AF

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-7AE10-1QA0>

Cax online generator

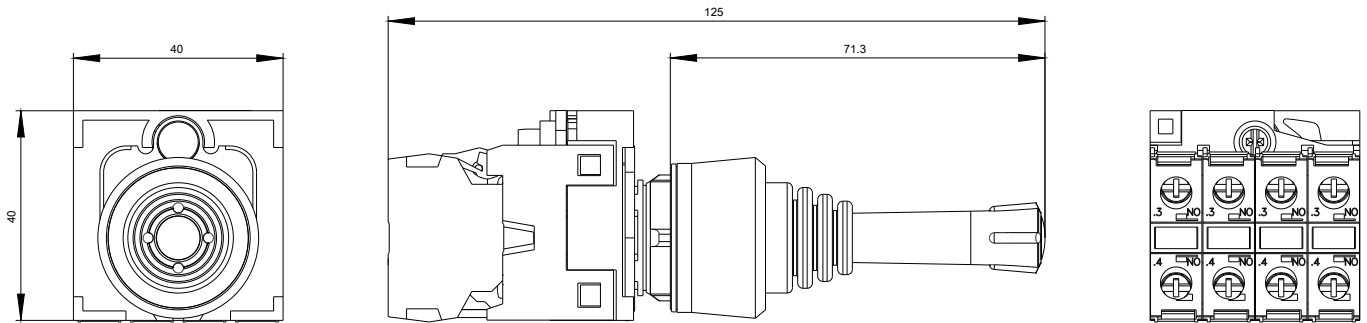
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AE10-1QA0>

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

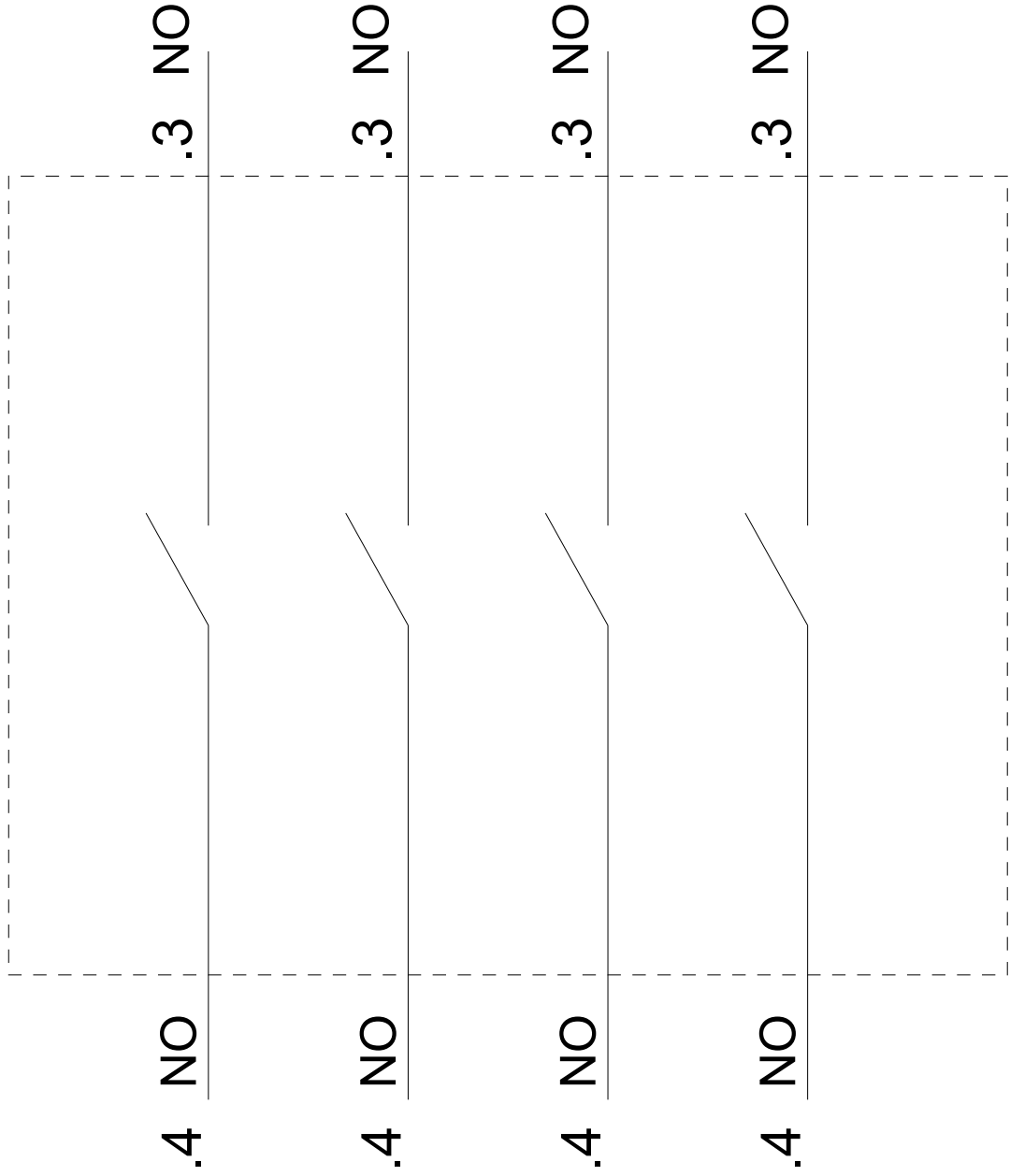
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AE10-1QA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7AE10-1QA0&lang=en



§



last modified:

04/30/2019