

Coordinate switch, 22 mm, round, metal shiny, black, 2 switch positions, horizontal latching, with mechanical interlocking, in O position, with holder, 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   |
| Product line   | Metal, shiny, 22 mm  |
| Manufacturer's article number  |  |
| <ul style="list-style-type: none"> <li>• 1 of supplied contact module</li> <li>• 3 of supplied contact module</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> </ul> | <a href="#">3SU1400-1AA10-1BA0</a><br><a href="#">3SU1400-1AA10-1BA0</a><br><a href="#">3SU1550-0BA10-0AA0</a><br><a href="#">3SU1050-7BA88-0AA0</a> |

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

| Actuator                                    |                              |
|---|------------------------------|
| Design of the operating mechanism           | with mechanical interlocking |
| Manner of function of the actuating element | latching                     |
| Direction of actuation                      | horizontal                   |
| Product extension optional Light source     | No                           |
| Color                                       |                              |

|  |                           |
|--|---------------------------|
| • of the actuating element                     | black                     |
| <b>Material of the actuating element</b>       | plastic                   |
| <b>Shape of the actuating element</b>          | Extended handle           |
| <b>Outer diameter of the actuating element</b> | 30.5 mm                   |
| <b>Number of contact modules</b>               | 2                         |
| <b>Type of unlocking device</b>                | push-to-unlatch mechanism |
| <b>Number of switching positions</b>           | 2                         |
| <b>Maximum deflection angle [°]</b>            | 30°                       |

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Front ring</b>                   |                   |
| <b>Product component front ring</b> | Yes               |
| <b>Design of the front ring</b>     | high              |
| <b>Material of the front ring</b>   | Metal, high gloss |
| <b>Color of the front ring</b>      | silver            |

|                               |       |
|-------------------------------|-------|
| <b>Holder</b>                 |       |
| <b>Material of the holder</b> | Metal |

|   |  |
|---|--|
| <b>General technical data</b>   |  |
| <b>Product function</b>   |  |
| • positive opening  | No   |
| <b>Insulation voltage</b>   |  |
| • rated value   | 500 V  |
| <b>Degree of pollution</b>  | 3  |
| <b>Type of voltage</b>  |  |
| • of the operating voltage  | AC/DC  |
| <b>Surge voltage resistance rated value</b>   | 6 kV   |
| <b>Protection class IP</b>  | IP65, IP67   |
| • of the terminal   | IP20   |
| <b>Shock resistance</b>   |  |
| • acc. to IEC 60068-2-27  | Sinusoidal half-wave 50 g / 11 ms                    |
| <b>Vibration resistance</b>   |  |
| • acc. to IEC 60068-2-6   | 10 ... 500 Hz: 5g                                    |
| <b>Operating frequency maximum</b>  | 3 600 1/h  |
| <b>Mechanical service life (switching cycles)</b>   |  |
| • as operating period per direction of actuation typical                                  | 100 000  |
| <b>Electrical endurance (switching cycles)</b>  |  |
| • typical   | 10 000 000   |
| <b>Electrical endurance (switching cycles) with contactors 3RT1015 to 3RT1026 typical</b> | 10 000 000   |
| <b>Thermal current</b>  | 10 A   |
| <b>Reference code acc. to DIN EN 81346-2</b>  | S  |
| <b>Reference code acc. to DIN EN 61346-2</b>  | S  |
| <b>Continuous current of the C characteristic MCB</b>                                     | 10 A; for a short-circuit current smaller than 400 A |

|   |   |
|---|---|
| <b>Continuous current of the quick DIAZED fuse link</b>   | 10 A                                      |
| <b>Continuous current of the DIAZED fuse link gG</b>  | 10 A                                      |
| <b>Operating voltage</b>  |   |
| <ul style="list-style-type: none"> <li>• at AC <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> <li>• at DC <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul> | 5 ... 500 V<br>5 ... 500 V<br>5 ... 500 V |

## Power Electronics

|                            |  |
|----------------------------|--|
| <b>Contact reliability</b> | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |
|----------------------------|--|

## Auxiliary circuit

|   |              |
|---|--------------|
| <b>Design of the contact of auxiliary contacts</b>  | Silver alloy |
| <b>Number of NC contacts for auxiliary contacts</b> | 0            |
| <b>Number of NO contacts for auxiliary contacts</b> | 2            |

## Connections/ Terminals

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

## Safety related data

|   |              |
|---|--------------|
| <b>B10 value</b>  |              |
| <ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>  | 100 000      |
| <b>Proportion of dangerous failures</b>   |              |
| <ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> <li>• with high demand rate acc. to SN 31920</li> </ul> | 20 %<br>20 % |
| <b>Failure rate [FIT]</b>   |              |
| <ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> </ul>   | 100 FIT      |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b>   | 20 y         |

## Ambient conditions

|  |                |
|--|----------------|
| <b>Ambient temperature</b>   |                |
| <ul style="list-style-type: none"> <li>• during operation</li> </ul> | -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 %, no condensation in operation permitted for all devices behind front panel)

### Installation/ mounting/ dimensions

|  |                      |
|--|----------------------|
| <b>Mounting type</b>                               | front panel mounting |
| • of modules and accessories                       | Front plate mounting |
| <b>Height</b>                                      | 40 mm                |
| <b>Width</b>                                       | 40 mm                |
| <b>Shape of the installation opening</b>           | round                |
| <b>Mounting diameter</b>                           | 22.3 mm              |
| <b>Positive tolerance of installation diameter</b> | 0.4 mm               |
| <b>Mounting height</b>                             | 75.6 mm              |
| <b>Installation width</b>                          | 30.5 mm              |
| <b>Installation depth</b>                          | 53.7 mm              |

### Certificates/ approvals

#### General Product Approval

#### Declaration of Conformity



[Miscellaneous](#)

#### Test Certificates

#### Marine / Shipping

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



#### Marine / Shipping

#### other



[Confirmation](#)

### Further information

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

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

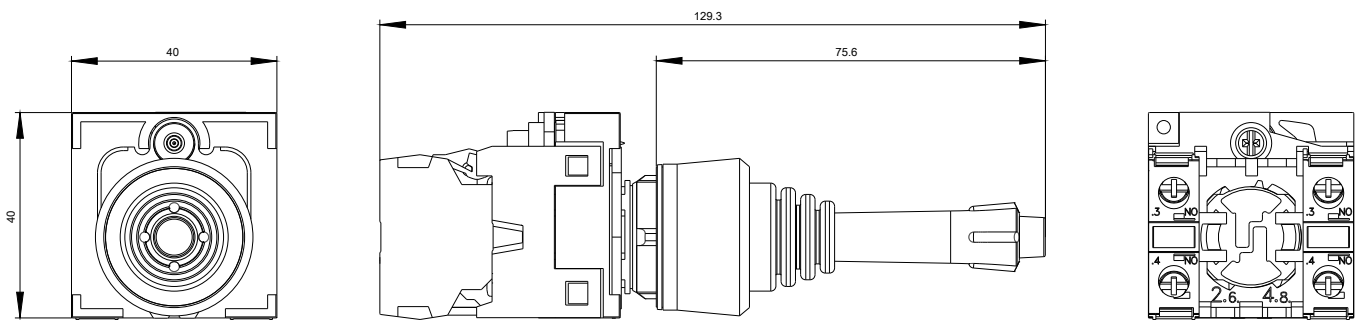
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1150-7BA88-1NA0>

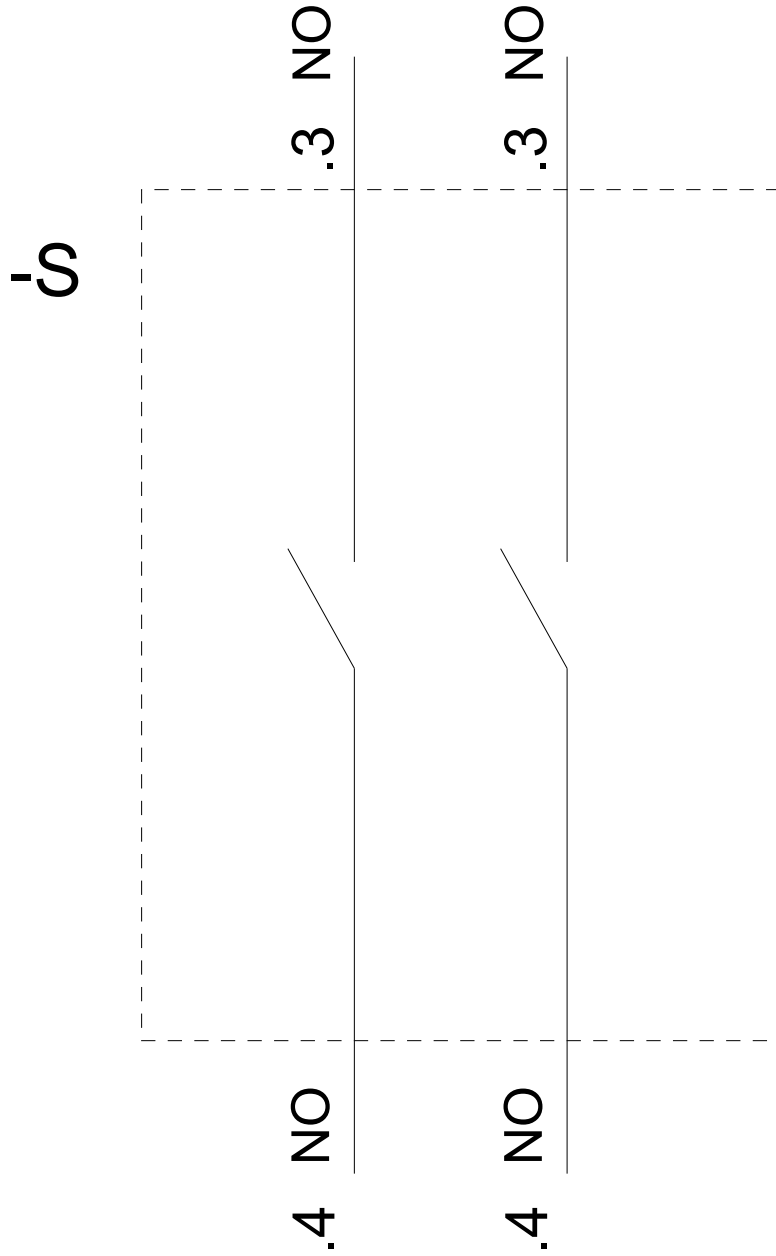
**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1150-7BA88-1NA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-7BA88-1NA0>





last modified:

03/19/2020