



SOLID-STATE TIME-DELAY AUXILIARY SWITCH,
OFF-DELAY WITH AUXILIARY VOLTAGE RELAY 1
CO CONTACT 24...240V AC/DC TIME RANGE
0.05...100S FOR SNAPPING ONTO THE FRONT; FOR
3RT2 S00-S2 CONTACTORS SPRING-TYPE
TERMINALS INTEGRATED VARISTOR FOR
DAMPING CONTACTOR COILS

General technical data:

| | | |
|---|----|---|
| product brand name | | SIRIUS |
| Product designation | | auxiliary switch |
| Design of the product | | off-delayed with auxiliary voltage |
| Protection class IP on the front | | IP20 |
| Protection class IP of the terminal | | IP20 |
| Degree of pollution | | 3 |
| Insulation voltage with degree of pollution 3 Rated value | V | 300 |
| Installation altitude at height above sea level maximum | m | 2 000 |
| Ambient temperature | | |
| • during storage | °C | -40 ... +85 |
| • during operation | °C | -25 ... +60 |
| • during transport | °C | -40 ... +85 |
| EMI immunity acc. to IEC 60947-1 | | ambience A (industrial sector) |
| EMC emitted interference acc. to IEC 60947-1 | | CISPR11, ambience A (industrial sector) |
| Conducted interference due to burst acc. to IEC 61000-4-4 | | 2 kV network connection / 1 kV control connection |
| Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5 | | 2 kV |
| Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5 | | 1 kV |
| Electrostatic discharge acc. to IEC 61000-4-2 | | 8 kV |
| Field-bound parasitic coupling acc. to IEC 61000-4-3 | | 10 V/m |
| Shock resistance | | 15g / 11 ms |

| | | |
|--|----|------------------------|
| Vibration resistance | | 10 ... 55 Hz / 0.35 mm |
| Surge voltage resistance Rated value | kV | 4 |
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | | K |
| Equipment marking acc. to DIN EN 61346-2 | | K |
| Adjustable time | s | 0.05 ... 100 |
| Switching function | | |
| • ON-delay | | No |
| • OFF delay | | Yes |
| Switching function | | |
| • with control signal | | |
| — OFF delay | | Yes |
| — pulse-shaping | | No |
| • without control signal OFF delay | | No |
| Product component semi-conductor output | | No |
| Product expansion | | |
| • optional remote control | | No |
| • required remote control | | No |
| Product function | | |
| • star-delta circuit | | No |
| • at the relay outputs Switchover delayed/without delay | | No |

Control circuit/ Control:

| | | |
|--|----|---------------|
| Design of the surge suppressor | | with varistor |
| Supply voltage required Auxiliary voltage | | Yes |
| Type of voltage of the control supply voltage | | AC/DC |
| Control supply voltage frequency 1 | Hz | 50 ... 60 |
| Control supply voltage 1 | | |
| • for DC | V | 24 ... 240 |
| • with AC | | |
| — at 50 Hz | V | 24 ... 240 |
| — at 60 Hz | V | 24 ... 240 |
| Operating range factor control supply voltage rated value of the magnet coil | | 0.85 ... 1.1 |

Auxiliary circuit:

| | | |
|--|---|-----|
| Operating current of the auxiliary contacts | | |
| • at AC-15 at 250 V | A | 3 |
| • at DC-13 | | |
| — at 24 V | A | 1 |
| — at 125 V | A | 0.2 |
| — at 250 V | A | 0.1 |

Installation/ mounting/ dimensions:

| | | |
|--|----|---------|
| Mounting type | | clip-on |
| Width | mm | 45 |
| Height | mm | 38 |
| Depth | mm | 74 |
| Required spacing with side-by-side mounting | | |
| • upwards | mm | 0 |
| • downwards | mm | 0 |
| • forwards | mm | 0 |
| • Backwards | mm | 0 |
| • at the side | mm | 0 |
| Required spacing for grounded parts | | |
| • upwards | mm | 0 |
| • downwards | mm | 0 |
| • forwards | mm | 0 |
| • Backwards | mm | 0 |
| • at the side | mm | 0 |
| Required spacing for live parts | | |
| • upwards | mm | 0 |
| • downwards | mm | 0 |
| • forwards | mm | 0 |
| • Backwards | mm | 0 |
| • at the side | mm | 0 |

Connections/ Terminals:

| | | |
|---|--|--|
| Type of electrical connection for auxiliary and control current circuit | | spring-loaded terminals |
| Product function removable terminal for auxiliary and control circuit | | Yes |
| Type of connectable conductor cross-section | | |
| • for auxiliary contacts | | |
| — solid | | 0.5 ... 4 mm ² , 2x (0.5 ... 2.5 mm ²) |
| — finely stranded | | |
| — with core end processing | | 1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²) |
| — without core end processing | | 2x (0.5 ... 1.5 mm ²) |
| • for AWG conductors for auxiliary contacts | | 2x (20 ... 14) |

Certificates/ approvals:

| | | |
|-----------------------------------|--|---------------|
| Certificate of suitability | | CE / UL / CSA |
| • EC declaration of conformity | | Yes |
| • CSA-approval | | Yes |
| • UL approval | | Yes |

General Product Approval



CCC



CSA



UL



Test Certificates

[Type Test
Certificates/Test
Report](#)

[Special Test
Certificate](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



LRS



RMRS

other

[Declaration of
Conformity](#)

[Environmental
Confirmations](#)

[other](#)

UL/CSA ratings:

Contact rating of the auxiliary contacts acc. to UL

B300 / R300

Further information

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

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

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

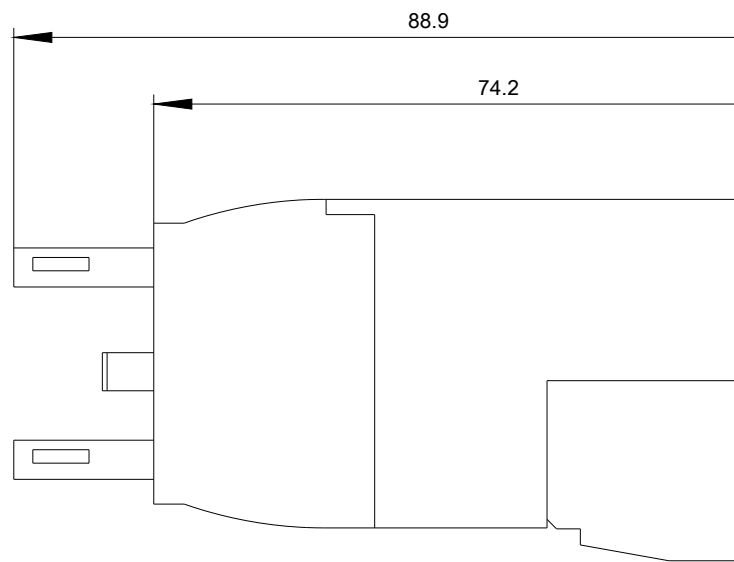
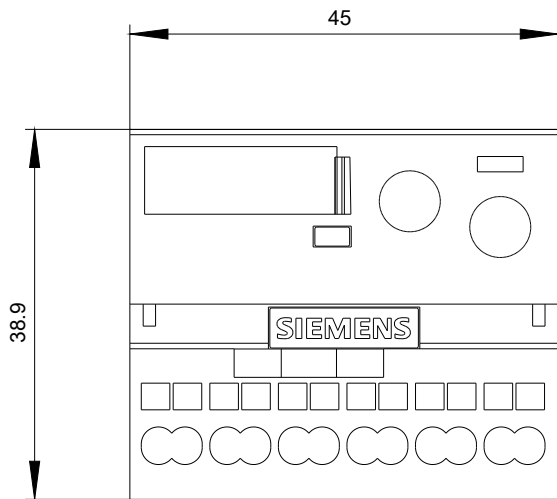
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA28142AW10>

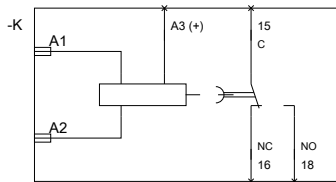
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RA28142AW10/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RA28142AW10&lang=en>





last modified:

09.03.2015