



Figure similar

SOLID-STATE TIME RELAY OFF-DELAY WITH AUXILIARY VOLTAGE AND SEMICONDUCTOR OUTPUT 24...240V AC/DC TIME RANGE 0.05...100S FOR SNAPPING ONTO THE FRONT; FOR 3RT2 CONTACTORS SPRING-LOADED TERMINALS

| General technical data:   |    |   |
|---|----|---|
| product brand name  |    | SIRIUS  |
| Product designation   |    | timing relay                                      |
| 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   |    | No                     |
| — pulse-shaping   |    | No                     |
| • without control signal OFF delay  |    | No                     |
| Product component semi-conductor output   |    | Yes                    |
| Product expansion   |    |                        |
| • optional remote control   |    | No                     |
| • required remote control   |    | No                     |
| Product function  |    |                        |
| • star-delta circuit  |    | 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 ... 90     |
| • with AC  |    |               |
| — at 50 Hz   | V  | 24 ... 90     |
| — at 60 Hz   | V  | 24 ... 90     |
| Operating range factor control supply voltage rated value of the magnet coil |    | 0.85 ... 1.1  |

#### 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 |
| <b>Required spacing for grounded parts</b> |    |   |
| • upwards                                  | mm | 0 |
| • downwards                                | mm | 0 |
| • forwards                                 | mm | 0 |
| • Backwards                                | mm | 0 |
| • at the side                              | mm | 0 |
| <b>Required spacing for live parts</b>     |    |   |
| • 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  |
| <b>Type of connectable conductor cross-section</b>                      |  |  |
| • for auxiliary contacts  |  |  |
| — solid   |  | 0.5 ... 4 mm <sup>2</sup> , 2x (0.5 ... 2.5 mm <sup>2</sup> )        |
| — finely stranded   |  |  |
| — with core end processing  |  | 1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> ) |
| — without core end processing   |  | 2x (0.5 ... 1.5 mm <sup>2</sup> )                                    |
| • for AWG conductors for auxiliary contacts                             |  | 2x (20 ... 14)   |

### Certificates/ approvals:

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

|                                 |                          |              |
|---------------------------------|--------------------------|--------------|
| <b>General Product Approval</b> | <b>Test Certificates</b> | <b>other</b> |
|---------------------------------|--------------------------|--------------|



[Type Test Certificates/Test Report](#)

[Environmental Confirmations](#)

### 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**

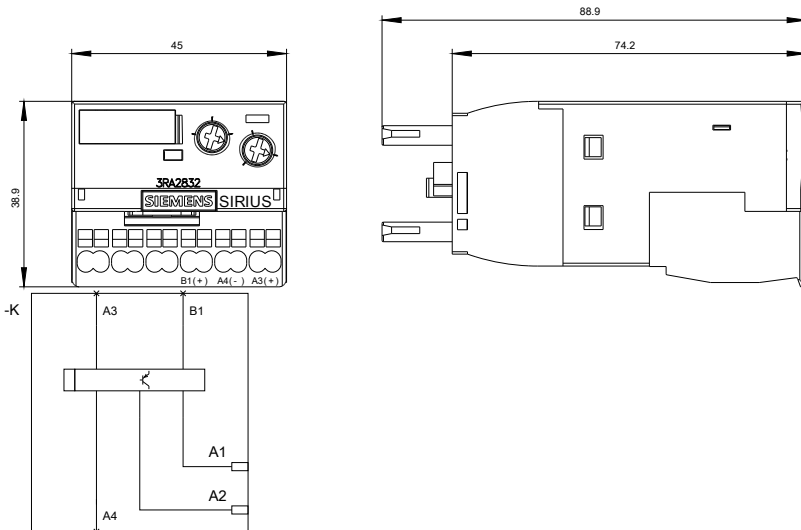
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA28322DG10>

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

<http://support.automation.siemens.com/WW/view/en/3RA28322DG10/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RA28322DG10&lang=en>



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