



Figure similar

Temperature monitoring relay PT100, Overshoot 1 threshold value, Width 22.5 mm -50 °C to 50 °C 24 V AC/DC 1 NO + 1 NC, quiescent current principle screw terminal

|   |  |
|---|--|
| <b>product brand name</b>                                       | SIRIUS   |
| <b>product designation</b>                                      | Temperature monitoring relay                                 |
| <b>design of the product</b>                                    | Overshoot, 1 threshold value                                 |
| <b>product type designation</b>                                 | 3RS10  |
| <b>General technical data</b>                                   |  |
| <b>power loss [W] maximum</b>                                   | 2 W  |
| <b>power loss [V·A] maximum</b>                                 | 4 V·A  |
| <b>reference code acc. to IEC 81346-2</b>                       | K  |
| <b>measurable temperature</b>                                   |  |
| • initial value   | -50 °C   |
| • full-scale value  | 50 °C  |
| <b>Substance Prohibition (Date)</b>                             | 01.05.2012 00:00:00  |
| <b>product function</b>   |  |
| • error memory  | No   |
| • external reset  | No   |
| <b>design of the sensor connectable</b>                         | PT100 (resistance sensor)                                    |
| <b>Control circuit/ Control</b>                                 |  |
| <b>type of voltage</b>  | AC/DC  |
| <b>control supply voltage 1 at AC</b>                           |  |
| • at 50 Hz rated value  | 24 V   |
| • at 60 Hz rated value  | 24 V   |
| <b>control supply voltage 1</b>                                 |  |
| • at DC rated value   | 24 V   |
| supply voltage frequency for auxiliary and control circuit      | 50 ... 60 Hz   |
| <b>number of measuring circuits</b>                             | 1  |
| <b>Auxiliary circuit</b>  |  |
| <b>number of NC contacts for auxiliary contacts</b>             | 1  |
| <b>number of NO contacts for auxiliary contacts</b>             | 1  |
| number of CO contacts for auxiliary contacts                    | 0  |
| <b>Connections/ Terminals</b>                                   |  |
| type of electrical connection for auxiliary and control circuit | screw-type terminals   |
| <b>type of electrical connection plug-in socket</b>             | Yes  |
| <b>Installation/ mounting/ dimensions</b>                       |  |
| <b>fastening method</b>   | screw and snap-on mounting onto 35 mm standard mounting rail |
| <b>height</b>   | 83 mm  |
| <b>width</b>  | 22.5 mm  |
| <b>depth</b>  | 91 mm  |
| <b>Ambient conditions</b>                                       |  |

ambient temperature during operation

-25 ... +60 °C

### Certificates/ approvals

General Product Approval

Declaration of  
Conformity

Test Certificates

other



[Type Test Certificates/Test Report](#)

[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=3RS1000-1CD00>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1000-1CD00>

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

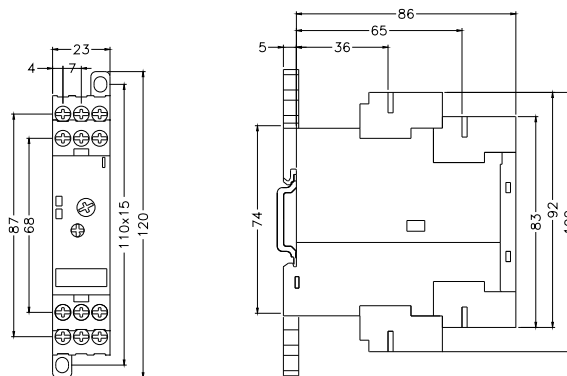
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1000-1CD00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RS1000-1CD00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1000-1CD00&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1000-1CD00/manual>



last modified:

2/1/2021