

Temperature monitoring relay PT100, Overshoot 2 threshold values, Width 22.5 mm 0 °C to 200 °C 24 - 240 V AC/DC 1 NO + 1 CO, Load and quiescent current screw terminal



Figure similar

|                                       |                               |
|---------------------------------------|-------------------------------|
| Product brand name                    | SIRIUS                        |
| Product designation                   | Temperature monitoring relay  |
| Design of the product                 | Overshoot, 2 threshold values |
| Product type designation              | 3RS10                         |
| General technical data                |                               |
| Power loss [W] maximum                | 2 W                           |
| Power loss [V·A] maximum              | 4 V·A                         |
| Reference code acc. to DIN EN 81346-2 | K                             |
| Measurable temperature                |                               |
| • initial value                       | 0 °C                          |
| • Full-scale value                    | 200 °C                        |
| Product function                      |                               |
| • Fault storage                       | No                            |
| • External reset                      | No                            |
| Design of the sensor connectable      | PT100 (resistance sensor)     |
| Control circuit/ Control              |                               |
| Type of voltage                       | AC/DC                         |

|                                             |              |
|---------------------------------------------|--------------|
| <b>Control supply voltage 1 at AC</b>       |              |
| • at 50 Hz                                  | 24 ... 240 V |
| • at 60 Hz                                  | 24 ... 240 V |
| <b>Control supply voltage 1</b>             |              |
| • at DC                                     | 24 ... 240 V |
| <b>Supply voltage frequency</b>             |              |
| • for auxiliary and control current circuit | 50 ... 60 Hz |
| <b>Number of measuring circuits</b>         | 1            |

|                                                     |   |
|-----------------------------------------------------|---|
| <b>Auxiliary circuit</b>                            |   |
| <b>Number of NC contacts for auxiliary contacts</b> | 0 |
| <b>Number of NO contacts for auxiliary contacts</b> | 1 |
| <b>Number of CO contacts</b>                        |   |
| • for auxiliary contacts                            | 1 |

|                                                     |                      |
|-----------------------------------------------------|----------------------|
| <b>Connections/ Terminals</b>                       |                      |
| <b>Type of electrical connection</b>                |                      |
| • for auxiliary and control current circuit         | screw-type terminals |
| <b>Type of electrical connection Plug-in socket</b> | Yes                  |

|                                           |                                                              |
|-------------------------------------------|--------------------------------------------------------------|
| <b>Installation/ mounting/ dimensions</b> |                                                              |
| <b>Mounting type</b>                      | screw and snap-on mounting onto 35 mm standard mounting rail |
| <b>Height</b>                             | 102 mm                                                       |
| <b>Width</b>                              | 22.5 mm                                                      |
| <b>Depth</b>                              | 91 mm                                                        |

|                            |                |
|----------------------------|----------------|
| <b>Ambient conditions</b>  |                |
| <b>Ambient temperature</b> |                |
| • during operation         | -25 ... +60 °C |

|                                 |                                  |                          |
|---------------------------------|----------------------------------|--------------------------|
| <b>Certificates/ approvals</b>  |                                  |                          |
| <b>General Product Approval</b> | <b>Declaration of Conformity</b> | <b>Test Certificates</b> |



CCC



UL



EG-Konf.

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

**other**

[Confirmation](#)

|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

**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=3RS1020-1DW20>

**Cax online generator**

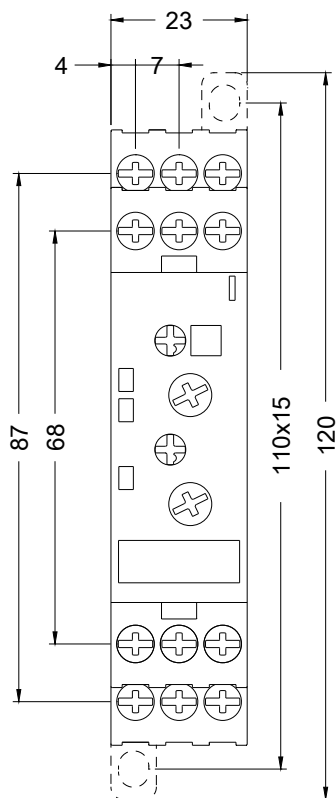
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1020-1DW20>

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

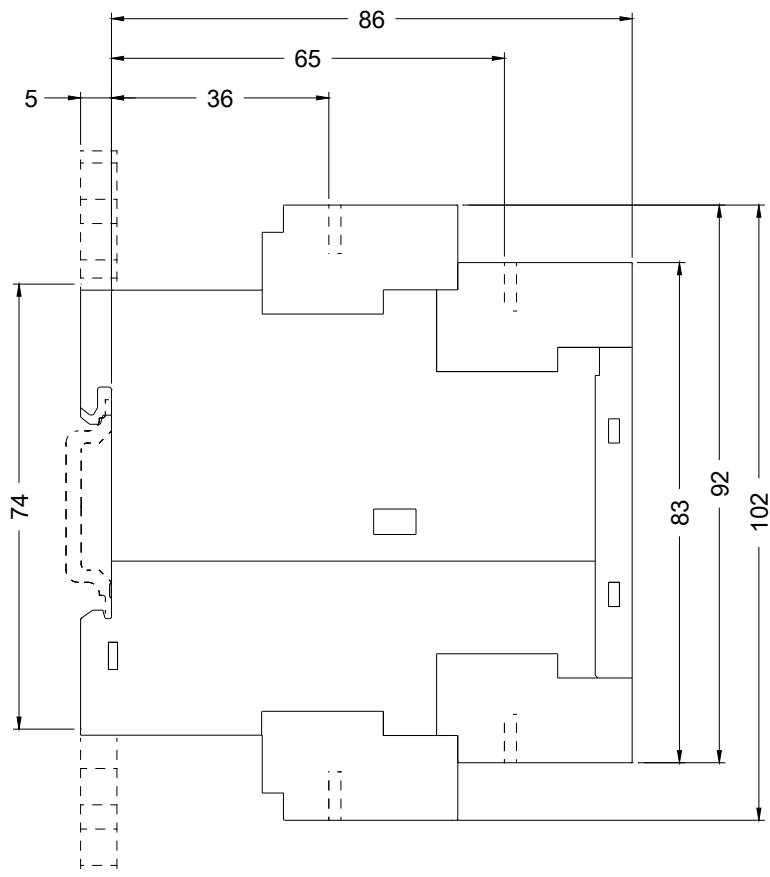
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1020-1DW20>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RS1020-1DW20&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1020-1DW20&lang=en)



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