



Figure similar

Temperature monitoring relay Thermocouple J,K, T,E, N,S, R,B 2 threshold values digitally adjustable -99 °C to 1800 °C (sensor-dependent) 24-240 V AC/DC 2 x 1 CO + 1 NO, Width 45 mm Spring-type terminal

|  |  |
|--|--|
| <b>product brand name</b>  | SIRIUS   |
| <b>product designation</b>   | Temperature monitoring relay                                 |
| <b>design of the product</b>   | 2 threshold values, digitally adjustable                     |
| <b>product type designation</b>  | 3RS11  |
| <b>General technical data</b>  |  |
| <b>reference code acc. to IEC 81346-2</b>                              | K  |
| <b>measurable temperature</b>  |  |
| • initial value  | -99 °C   |
| • full-scale value   | 1 800 °C   |
| <b>Substance Prohibitions (Date)</b>                                   | 01.05.2012 00:00:00  |
| <b>product function</b>  |  |
| • error memory   | Yes  |
| • external reset   | Yes  |
| <b>design of the sensor connectable</b>                                | type J, K, T, E, N (thermocouple)                            |
| <b>Control circuit/ Control</b>  |  |
| <b>type of voltage</b>   | 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   |
| 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>                    | 0  |
| <b>number of NO contacts for auxiliary contacts</b>                    | 1  |
| <b>number of CO contacts for auxiliary contacts</b>                    | 2  |
| <b>Connections/ Terminals</b>  |  |
| <b>type of electrical connection for auxiliary and control circuit</b> | spring-loaded 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>  | 108 mm   |
| <b>width</b>   | 45 mm  |
| <b>depth</b>   | 91 mm  |
| <b>Ambient conditions</b>  |  |
| <b>ambient temperature during operation</b>                            | -25 ... +60 °C   |
| <b>Certificates/ approvals</b>   |  |

[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=3RS1142-2GW80>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1142-2GW80>

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

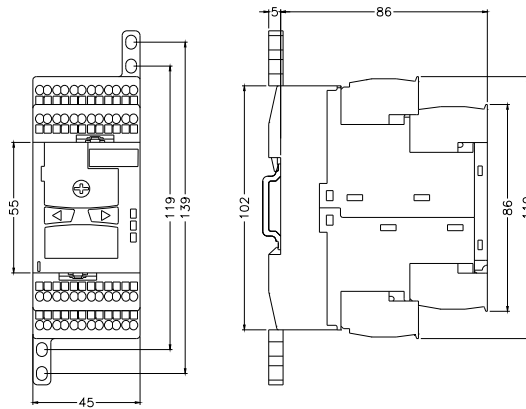
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1142-2GW80>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RS1142-2GW80&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1142-2GW80&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1142-2GW80/manual>



last modified:

2/4/2021