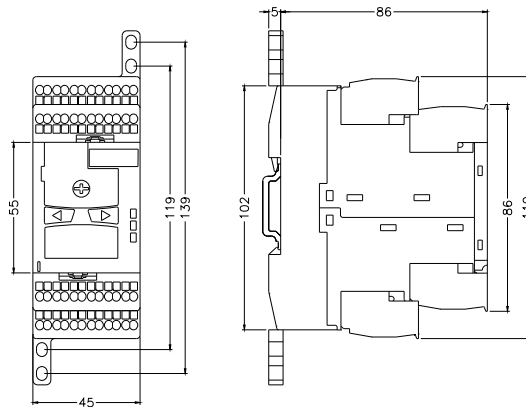




Figure similar

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 V AC/DC 2 x 1 CO + 1 NO, Width 45 mm Spring-type terminal

| | |
|---|--|
| product brand name | SIRIUS |
| product designation | Temperature monitoring relay |
| design of the product | 2 threshold values, digitally adjustable |
| product type designation | 3RS11 |
| General technical data | |
| reference code acc. to IEC 81346-2 | K |
| measurable temperature | |
| • initial value | -99 °C |
| • full-scale value | 1 800 °C |
| Substance Prohibitive (Date) | 01.05.2012 00:00:00 |
| product function | |
| • error memory | Yes |
| • external reset | Yes |
| design of the sensor connectable | type J, K, T, E, N (thermocouple) |
| Control circuit/ Control | |
| type of voltage | AC/DC |
| control supply voltage 1 at AC | |
| • at 50 Hz rated value | 24 V |
| • at 60 Hz rated value | 24 V |
| control supply voltage 1 | |
| • at DC rated value | 24 V |
| supply voltage frequency for auxiliary and control circuit | 50 ... 60 Hz |
| number of measuring circuits | 1 |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts | 1 |
| number of CO contacts for auxiliary contacts | 2 |
| Connections/ Terminals | |
| type of electrical connection for auxiliary and control circuit | spring-loaded terminals |
| type of electrical connection plug-in socket | Yes |
| Installation/ mounting/ dimensions | |
| fastening method | screw and snap-on mounting onto 35 mm standard mounting rail |
| height | 108 mm |
| width | 45 mm |
| depth | 91 mm |
| Ambient conditions | |
| ambient temperature during operation | -25 ... +60 °C |
| Certificates/ approvals | |

[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=3RS1142-2GD80>**Cax online generator**<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1142-2GD80>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/3RS1142-2GD80>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1142-2GD80&lang=en**Characteristic: Derating**<https://support.industry.siemens.com/cs/ww/en/ps/3RS1142-2GD80/manual>

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