



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 screw terminal !!!phased-out product!!! the preferred successor is 3RS2600-1BA30

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 according to IEC 81346-2	K
measurable temperature	
• initial value	-99 °C
• full-scale value	1 800 °C
Substance Prohibitance (Date)	05/01/2012
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	screw-type terminals
type of electrical connection plug-in socket	Yes

Installation/ mounting/ dimensions

fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	106 mm
width	45 mm
depth	91 mm

Ambient conditions

ambient temperature during operation	-25 ... +60 °C
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Certificates/ approvals

General Product Approval

Declaration of Conformity

[Confirmation](#)



other

[Confirmation](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3RS1142-1GD80>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1142-1GD80>

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

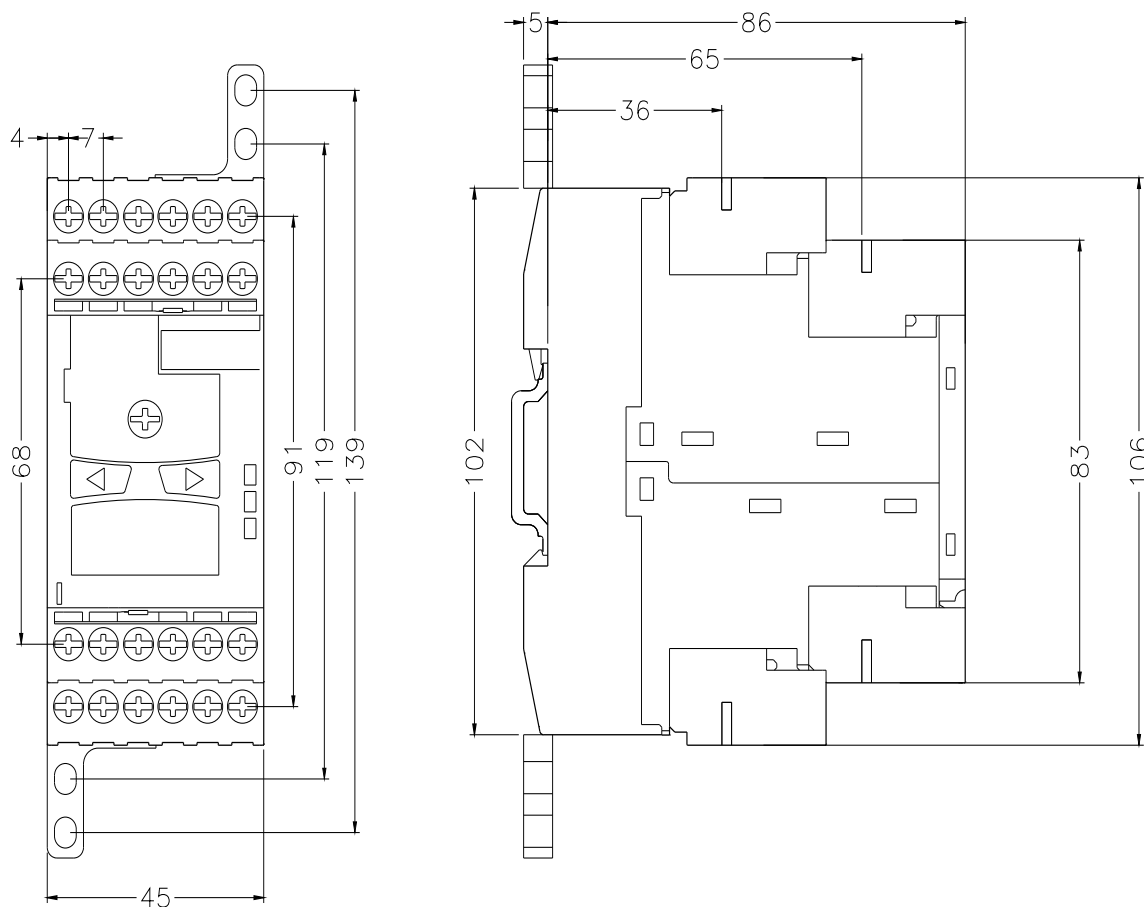
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1142-1GD80>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1142-1GD80&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1142-1GD80/manual>



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