



Figure similar

Temperature monitoring relay PT100, Overshoot 2 threshold values, Width 22.5 mm -50 °C to 50 °C 24 V AC/DC 1 NO + 1 CO, Load and quiescent current screw terminal

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Temperature monitoring relay
<b>design of the product</b>	Overshoot, 2 threshold values
<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>	0
<b>number of NO contacts for auxiliary contacts</b>	1
number of CO contacts for auxiliary contacts	1
<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>	102 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=3RS1020-1DD00>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1020-1DD00>

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

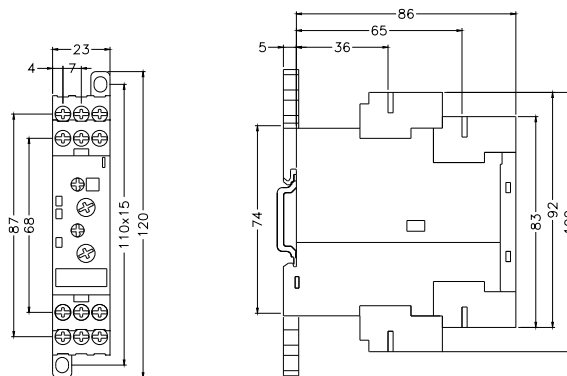
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1020-1DD00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RS1020-1DD00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1020-1DD00&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1020-1DD00/manual>



last modified:

2/1/2021