



Figure similar

Temperature monitoring relay PT100/1000 KTY83/84, NTC 2 threshold values digitally adjustable -50 °C to 750 °C (sensor-dependent) 24 V AC/DC 2 x 1 CO + 1 NO, Width 45 mm spring-type connection system

<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>	3RS10
<b>General technical data</b>	
<b>power loss [W] maximum</b>	4 W
<b>power loss [V·A] maximum</b>	7 V·A
<b>reference code acc. to IEC 81346-2</b>	K
<b>measurable temperature</b>	
• initial value	-50 °C
• full-scale value	750 °C
<b>Substance Prohibance (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>	PT100/1000, KTY83/84, NTC (resistance sensors)
<b>measurable temperature with KTY-sensor maximum</b>	200 °C
<b>sensor current with KTY-sensor</b>	0.3 mA
<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
<b>supply voltage frequency for auxiliary and control circuit</b>	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

depth	91 mm	
<b>Ambient conditions</b>		
ambient temperature during operation	-25 ... +60 °C	
<b>Certificates/ approvals</b>		
General Product Approval	Declaration of Conformity	other



[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=3RS1042-2GD70>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1042-2GD70>

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

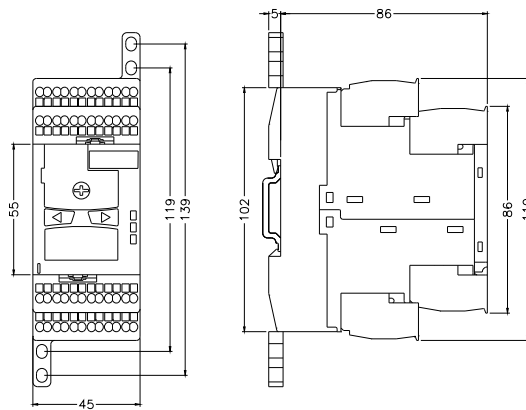
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1042-2GD70>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RS1042-2GD70&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1042-2GD70&lang=en)

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1042-2GD70/manual>



last modified:

2/1/2021