



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 screw terminal

product brand name	SIRIUS
product designation	Temperature monitoring relay
design of the product	2 threshold values, digitally adjustable
product type designation	3RS10
General technical data	
power loss [W] maximum	4 W
power loss [V·A] maximum	7 V·A
reference code acc. to IEC 81346-2	K
measurable temperature	
• initial value	-50 °C
• full-scale value	750 °C
Substance Prohibance (Date)	01.05.2012 00:00:00
product function	
• error memory	Yes
• external reset	Yes
design of the sensor connectable	PT100/1000, KTY83/84, NTC (resistance sensors)
measurable temperature with KTY-sensor maximum	200 °C
sensor current with KTY-sensor	0.3 mA
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 standard mounting rail
height	106 mm
width	45 mm

depth	91 mm	
Ambient conditions		
ambient temperature during operation	-25 ... +60 °C	
Certificates/ approvals		
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=3RS1042-1GD70>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1042-1GD70>

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

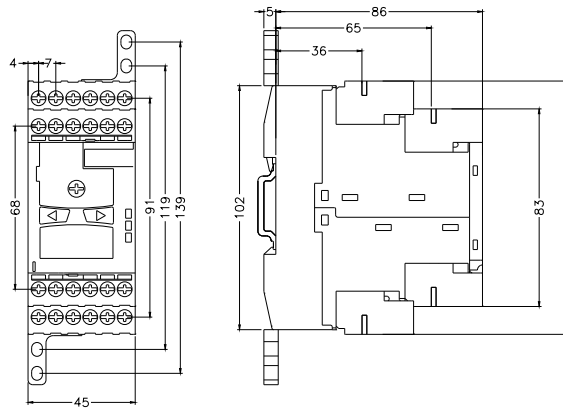
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1042-1GD70>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1042-1GD70&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1042-1GD70/manual>



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