

Temperature monitoring relay PT100/1000, KTY83/84, NTC 3 sensors, 2 threshold values digitally adjustable -50 °C to 500 °C 24 - 240 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 DIN EN 81346-2	K
measurable temperature	
• initial value	-50 °C
• full-scale value	500 °C
product function	
• fault storage	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	24 ... 240 V
• at 60 Hz	24 ... 240 V
control supply voltage 1	
• at DC	24 ... 240 V
supply voltage frequency	
• for auxiliary and control current circuit	50 ... 60 Hz
number of measuring circuits	3

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	
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• for auxiliary and control circuit	screw-type terminals
type of electrical connection plug-in socket	Yes

Installation/ mounting/ dimensions	
• mounting type	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	Test Certificates



[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

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=3RS1041-1GW50>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1041-1GW50>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1041-1GW50>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1041-1GW50&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1041-1GW50/manual>

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