



temperature monitoring relay for IO-Link Thermocouple J,K, T,E, N,R, S,B
2 limit values -99 °C to 1800 °C 3 x 1 CO, width 45 mm screw terminal
!!!phased-out product!!! the preferred successor is 3RS2800-1BA40

product brand name	SIRIUS
product designation	Temperature monitoring relay
design of the product	2 threshold values, digitally adjustable
product type designation	3RS15

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, R, S, B (thermocouple)

Control circuit/ Control

type of voltage	DC
control supply voltage 1	
• at DC rated value	24 V
• at DC	18 ... 30 V
number of measuring circuits	1

Communication/ Protocol

protocol is supported IO-Link protocol	Yes
IO-Link transfer rate	COM2 (38,4 kBaud)
point-to-point cycle time between master and IO-Link device minimum	10 ms
type of voltage supply via input/output link master	Yes
data volume	
• of the address range of the inputs with cyclical transfer total	4 byte
• of the address range of the outputs with cyclical transfer total	2 byte

Auxiliary circuit

number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	3

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
Certificates/ approvals	
General Product Approval	Declaration of Conformity



[Confirmation](#)

[Manufacturer Declaration](#)



Declaration of Conformity	Test Certificates	other
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[Type Test Certificates/Test Report](#)

[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=3RS1540-1HB80>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1540-1HB80>

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

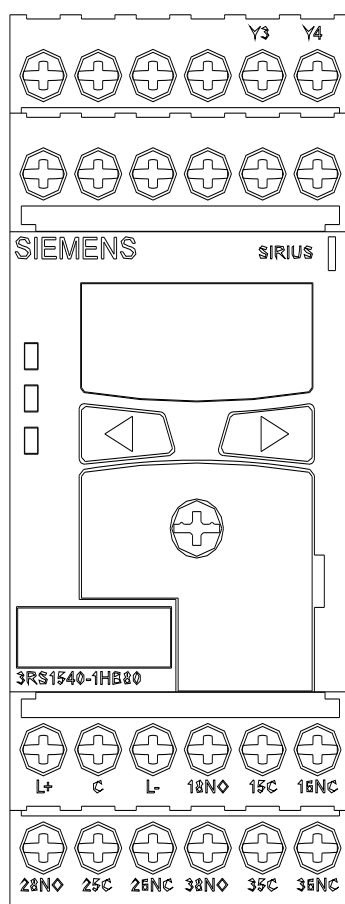
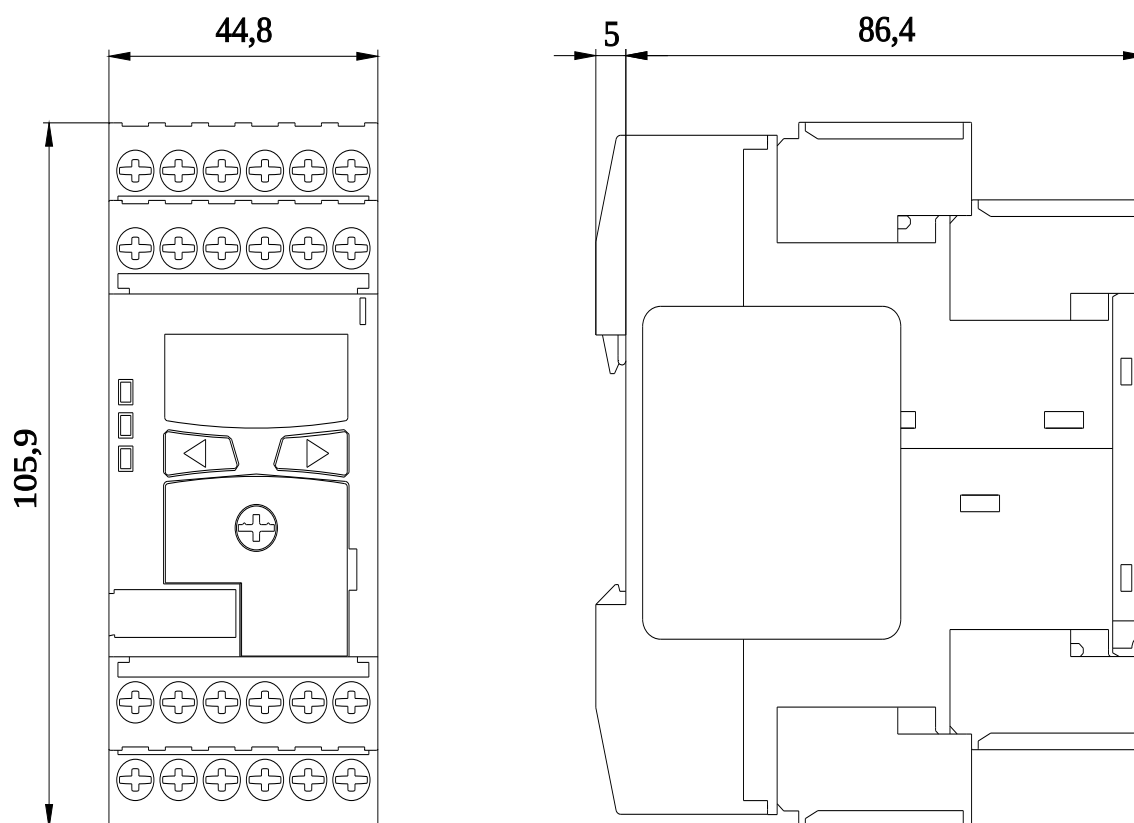
<https://support.industry.siemens.com/cs/ww/en/ps/3RS1540-1HB80>

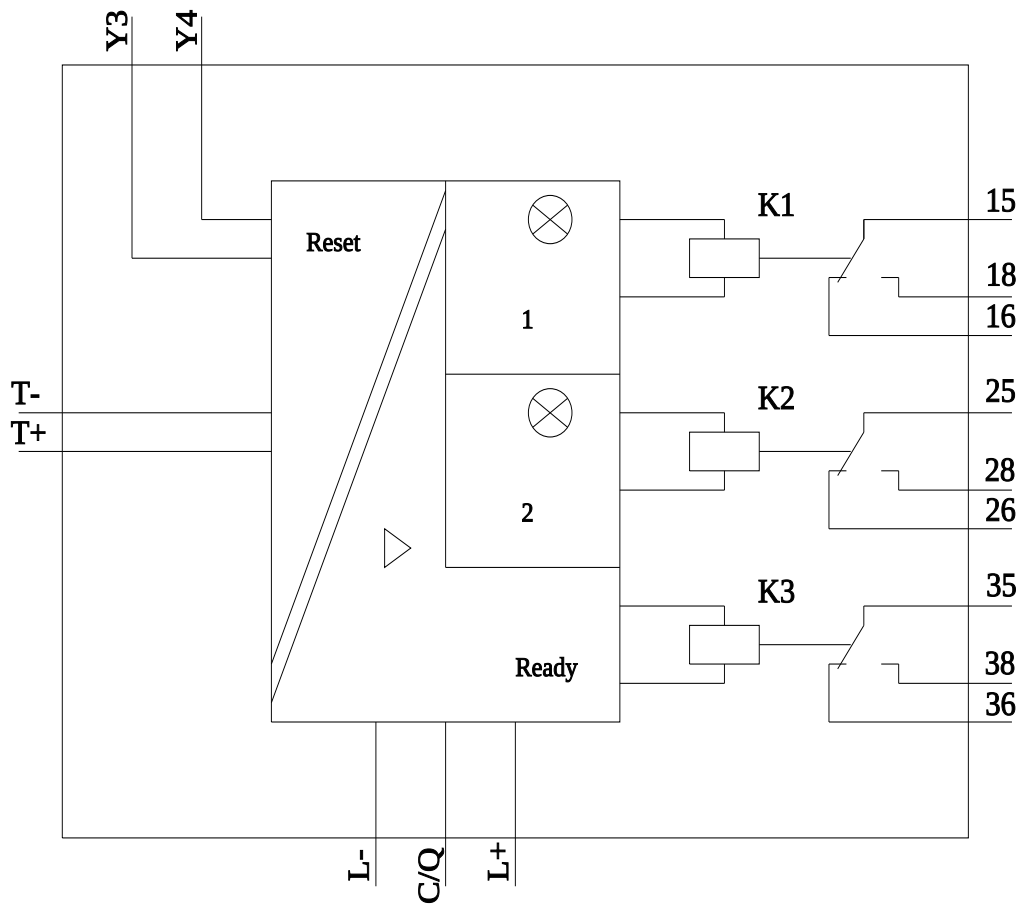
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1540-1HB80&lang=en

Characteristic: Derating

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1540-1HB80/manual>





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