



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 spring-loaded terminal !!!phased-out product!!! the preferred successor is 3RS2800-2BA40

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 Prohibition (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
Weight	0.32 kg
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
control supply voltage 1 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	spring-loaded 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	108 mm
width	45 mm
depth	91 mm
Ambient conditions	
ambient temperature during operation	-25 ... +60 °C
Approvals Certificates	
General Product Approval	



[Manufacturer Declaration](#)

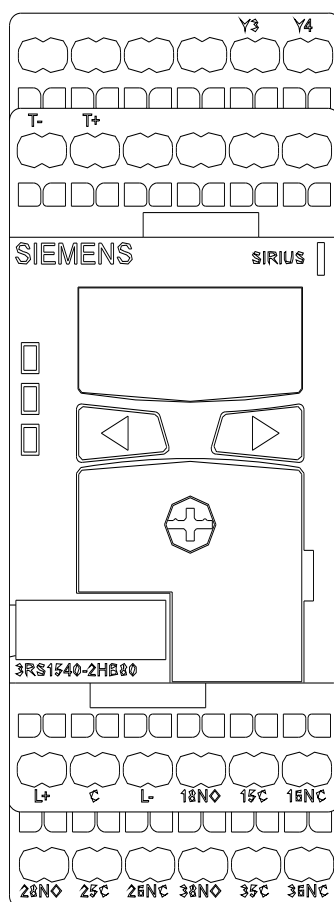
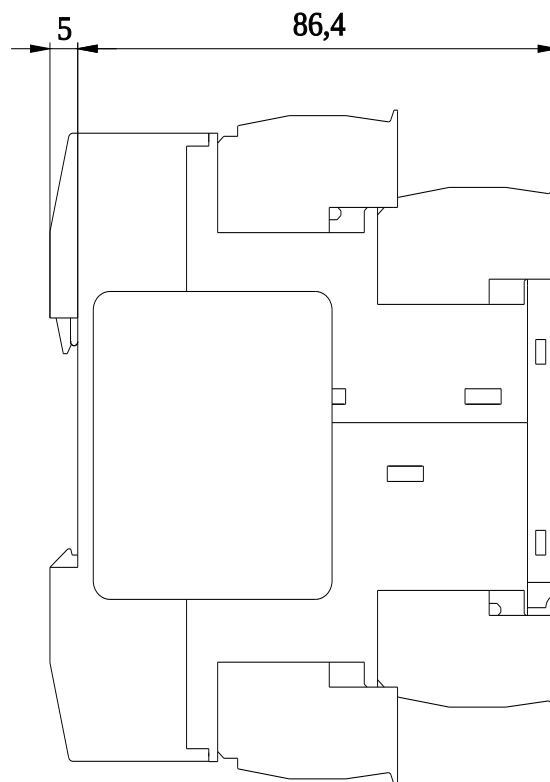
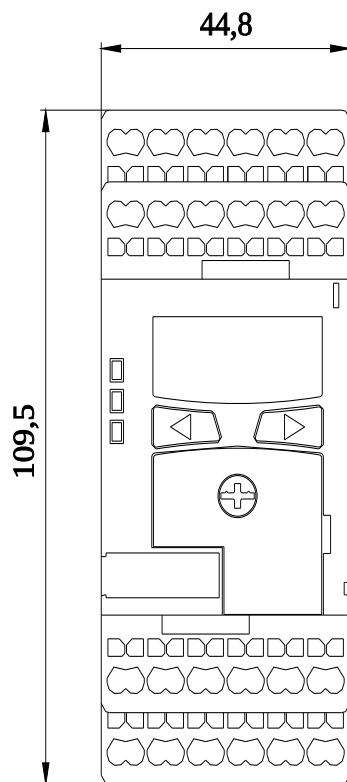


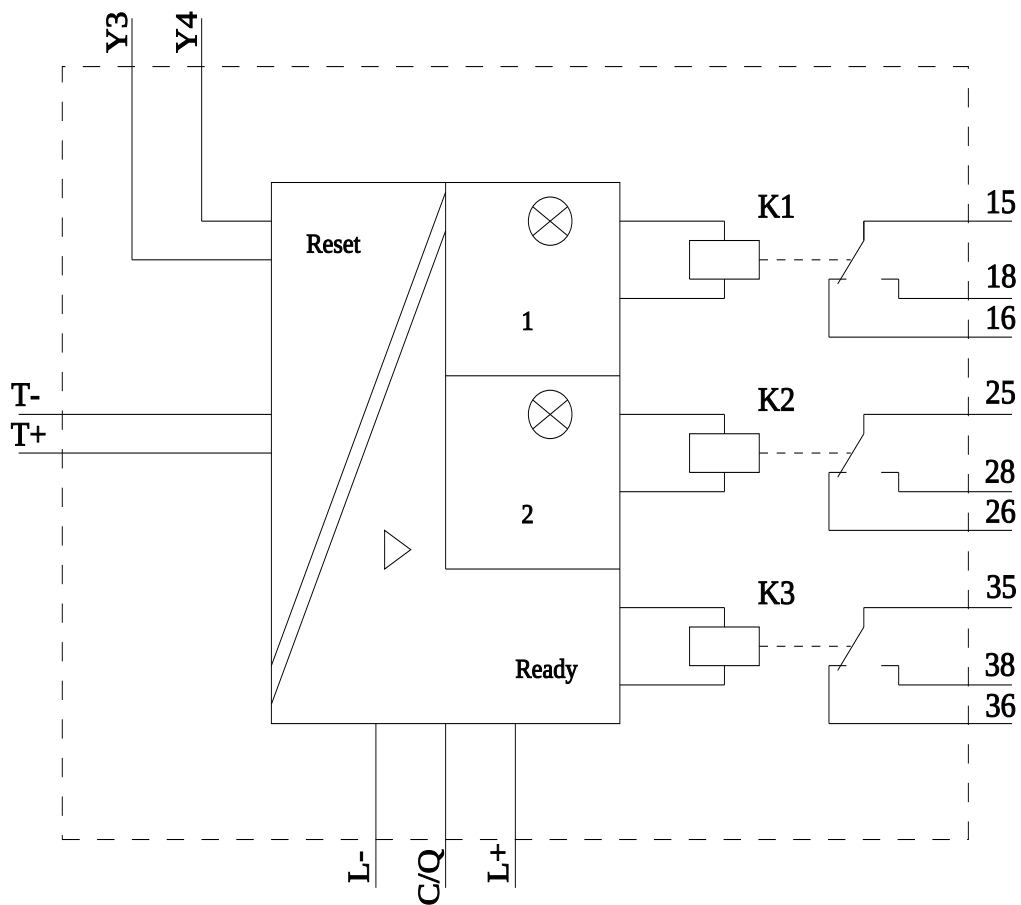
[Confirmation](#)



General Product Approval	EMV	Test Certificates	other	Environment
	KC	Type Test Certificates/Test Report	Confirmation	Environmental Confirmations

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=3RS1540-2HB80 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1540-2HB80 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RS1540-2HB80 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1540-2HB80&lang=en Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/3RS1540-2HB80/manual





last modified:

3/11/2024 

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Siemens:](#)

[3RS15402HB80](#)