



TEMPERATURE MONITORING RELAY  
 THERMOCOUPLE J,K,T,E,N,S,R,B, 2 THRESHOLDS,  
 DIGITAL, -99 DEGREES C TO 1800 DEGREES C  
 (SENSOR-DEPENDENT), 24 V TO 240 V AC/DC, 2 X 1  
 CO + 1 NO, WIDTH 45 MM,

Figure similar





General technical data:		
<b>Type of voltage</b>		AC/DC
<b>Supply voltage frequency</b>		
<ul style="list-style-type: none"> <li>• 1 for auxiliary and control current circuit</li> </ul>		
— Initial rated value	Hz	50
— Final rated value	Hz	60
<b>Control supply voltage 1 at AC at 50 Hz</b>		
• Initial rated value	V	24
• Final rated value	V	240
<b>Control supply voltage 1 at AC at 60 Hz</b>		
• Initial rated value	V	24
• Final rated value	V	240
<b>Control supply voltage 1 at DC</b>		
• Initial rated value	V	24
• Final rated value	V	240
<b>Product function</b>		
• Fault storage		Yes

• External reset		Yes
Number of measuring circuits		1
Number of NC contacts for auxiliary contacts		0
Number of NO contacts for auxiliary contacts		1
Number of CO contacts for auxiliary contacts		2
Measurable temperature		
• initial value	°C	-99
• Full-scale value	°C	1 800
Equipment marking acc. to DIN EN 61346-2		K
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		K
Ambient temperature during operation	°C	-25 ... +60

#### Mechanical data:

Type of electrical connection		
• for auxiliary and control current circuit		spring-loaded terminals
• Plug-in socket		Yes
Design of the sensor connectable		type J, K, T, E, N (thermocouple)
Width	mm	45
Height	mm	108
Depth	mm	91

#### Certificates/ approvals:

General Product Approval	Declaration of Conformity	other
 CCC	 UL	
	 EG-Konf.	<a href="#">Umweltbestätigung</a>
		<a href="#">Bestätigungen</a>

#### Further information

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

##### Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

##### Cax online generator

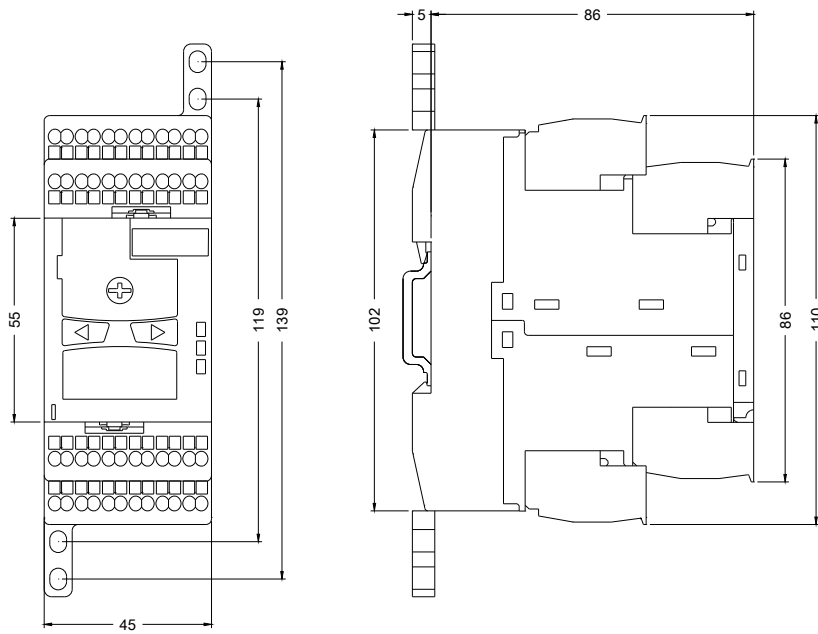
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RS1142-2GW80>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1142-2GW80>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RS1142-2GW80&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RS1142-2GW80&lang=en)



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