



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,

**General technical details:**

<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> <li> <ul style="list-style-type: none"> <li>• initial rated value</li> <li>• final rated value</li> </ul> </li> <li>• 1 / at 50 Hz / for AC / initial rated value</li> <li>• 1 / at 50 Hz / for AC / final rated value</li> <li>• 1 / at 60 Hz / for AC / initial rated value</li> <li>• 1 / at 60 Hz / for AC / final rated value</li> <li>• 1 / for DC / initial rated value</li> <li>• 1 / for DC / final rated value</li> </ul>	<ul style="list-style-type: none"> <li>Hz</li> <li>Hz</li> <li>V</li> <li>V</li> <li>V</li> <li>V</li> <li>V</li> <li>V</li> </ul>	<ul style="list-style-type: none"> <li>50</li> <li>60</li> <li>24</li> <li>240</li> <li>24</li> <li>240</li> <li>24</li> <li>240</li> </ul>
<b>Product function</b>		
<ul style="list-style-type: none"> <li>• defect storage</li> <li>• reset external</li> </ul>		<ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> </ul>
<b>Number of measuring circuits</b>		1
<b>Number of NC contacts / for auxiliary contacts</b>		0
<b>Number of NO contacts / for auxiliary contacts</b>		1
<b>Number of change-over switches / for auxiliary contacts</b>		2
<b>Measurable temperature</b>		

• initial value	°C	-99
• final value	°C	1,800
<b>Item designation / according to DIN EN 61346-2</b>		K
<b>Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</b>		K
<b>Ambient temperature</b>		
• during operating	°C	-25 ... +60

#### Mechanical design:

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

#### Certificates/approvals:

##### General Product Approval



CCC



GOST

##### other

[Declaration of Conformity](#)

[Environmental Confirmations](#)

#### Further information:

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

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

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

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

##### Cax online generator:

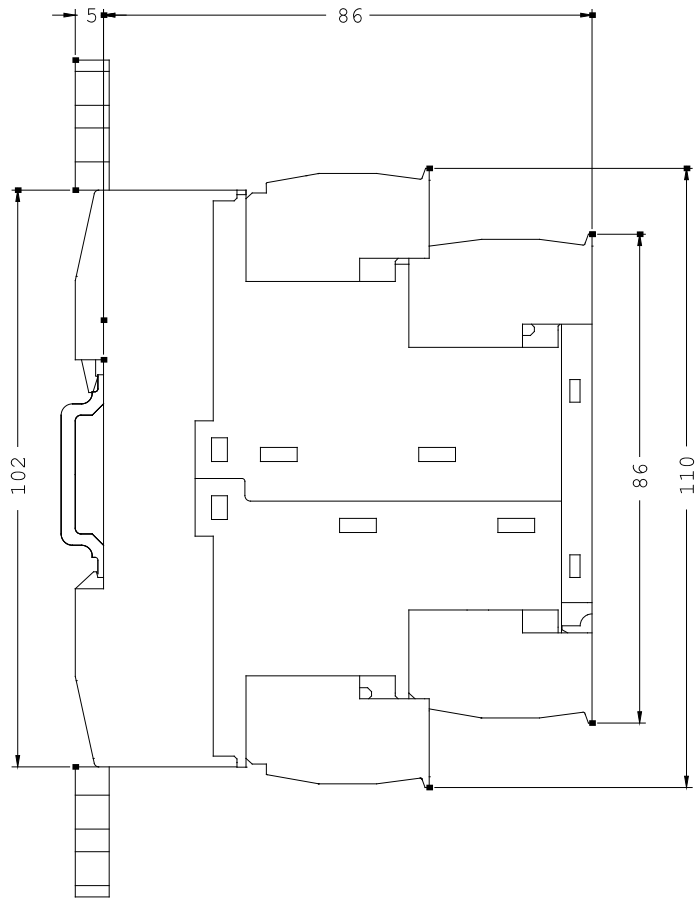
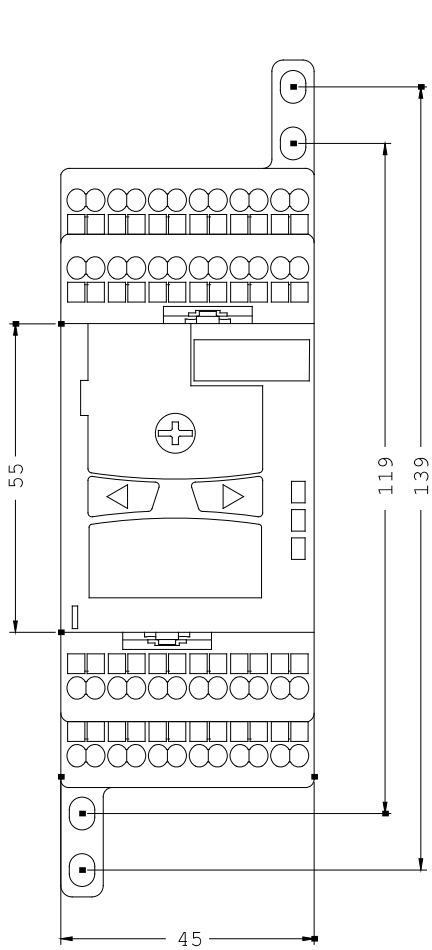
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RS1142-2GW80/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RS1142-2GW80](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1142-2GW80)



last change:

Jan 25, 2013