



small compact thermostat NC (heating) +20 bis +80 °C

Model	
product brand name	SIVACON
design of the product	NC contact
type of sensor	Thermal bimetal
design of the switching function	NC contact
design of the switching contact	Snap-action contact
General technical data	
mechanical service life (operating cycles) typical	100 000
mounting type	clip for 35 mm DIN rail
Voltage	
type of voltage of the operating voltage	AC
inrush current typical	16 A
operating voltage at AC rated value	250 V
Protection class	
protection class IP	IP20
Main circuit	
operational current rated value	3 A
Adjustable parameters	
adjustable temperature	
• initial value	20 °C
• full-scale value	80 °C
Product details	
product component	
• digital display	No
• hygrostat	No
Connections	
type of connection technology	2-pole terminal 2.5 mm <sup>2</sup>
Mechanical Design	
height	41 mm
width	60 mm
depth	33 mm
fastening method	terminal mounting
mounting position	any
Net Weight	51 g
material of the enclosure	plastic
Environmental conditions	
relative humidity reference value	90 %
ambient temperature during operation	

<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>-45 °C</p> <p>80 °C</p>
<b>ambient temperature during storage</b> <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>-45 °C</p> <p>80 °C</p>

**Approvals Certificates**

Environment	General Product Approval	other
<a href="#">Environmental Confirmations</a>	 EG-Konf.  UR	 <a href="#">Confirmation</a> 

**Further information**

- Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- Information- and Downloadcenter (Catalogs, Brochures,...)  
<https://www.siemens.com/lowvoltage/catalogs>
- Industry Mall (Online ordering system)  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=8MR2170-1KC>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/8MR2170-1KC>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=8MR2170-1KC](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=8MR2170-1KC)
- CAX-Online-Generator  
<https://www.siemens.com/cax>
- Tender specifications  
<https://www.siemens.com/specifications>
- Characteristic curves  
[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





