



Electronic hygrostat EFR012 120 V AC, 40-90 %RF

Model	
product brand name	SIVACON
product designation	Electronic hygrostat
design of the switching function	CO contact
General technical data	
mechanical service life (operating cycles) typical	50 000
mounting type	Clip for 35 mm rail
switching differential relative humidity at $\pm 3\%$ tolerance at 25 °C	5 %
type of voltage of the operating voltage	AC
Protection class	
protection class IP	IP 20
Product details	
product component digital display	No
Connections	
connectable conductor cross-section for rigid conductor maximum	2.5 mm ²
connectable conductor cross-section finely stranded with core end processing maximum	1.5 mm ²
tightening torque with screw-type terminals maximum	0.5 N·m
type of electrical connection	5-pole terminal
Mechanical Design	
height	64.5 mm
width	42 mm
depth	38 mm
fastening method	terminal mounting
mounting position	Vertical
net weight	0.07 kg
Environmental conditions	
relative humidity reference value	90 %
adjustable response value relative humidity	
• initial value	40 %
• full-scale value	90 %
ambient temperature during operation	
• minimum	0 °C
• maximum	60 °C
ambient temperature during storage	
• minimum	-20 °C
• maximum	70 °C
Certificates	
reference code according to EN 61346-2	K

reference code according to IEC 81346-2	K
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Approvals Certificates

General Product Approval	other	Environment
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[Confirmation](#)

[Environmental Con-
firmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=8MR2170-2AF>

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

<https://support.industry.siemens.com/cs/ww/en/ps/8MR2170-2AF>

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

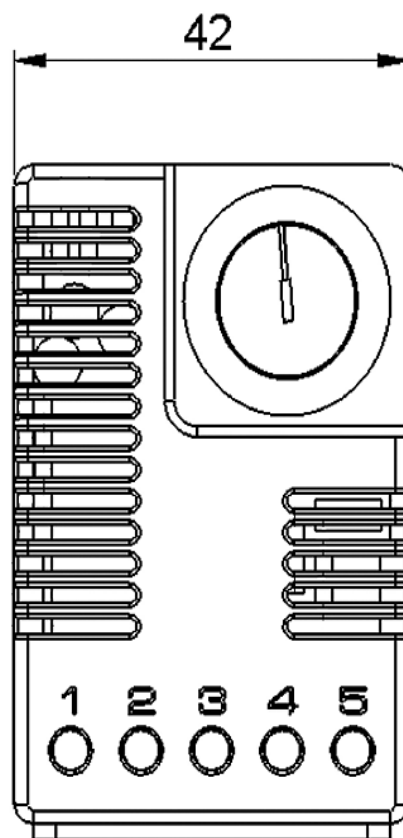
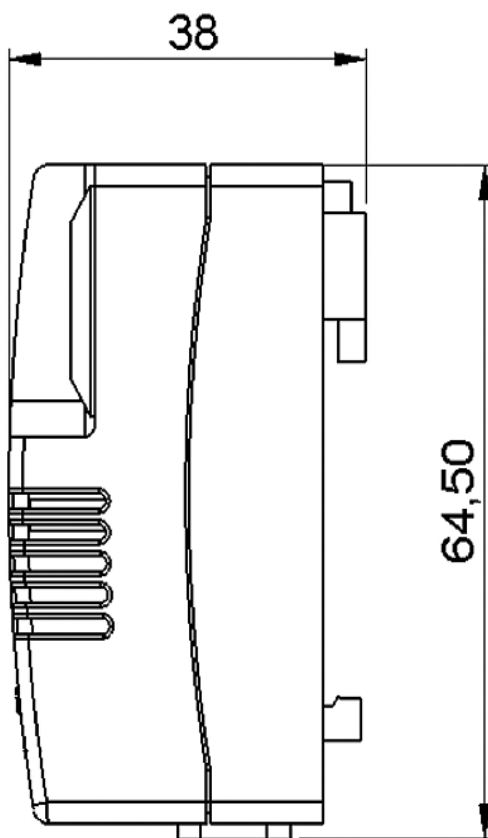
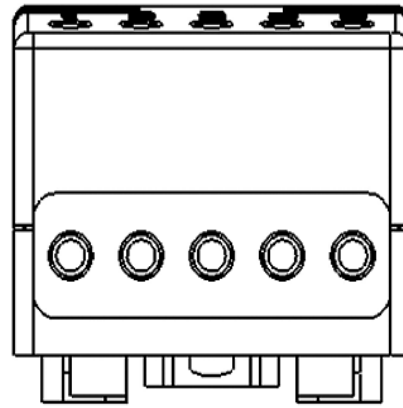
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=8MR2170-2AF

CAX-Online-Generator

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

Tender specifications

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



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