



TEMPERATURE MODULE;  
3 INPUTS TO CONNECT UP TO 3 TEMPERATURE  
SENSORS;  
MAX. 1 TEMPERATURE MODULE PER BASE UNIT 2

General technical data:		
Product brand name		SIRIUS
product designation		temperature module
Protection class IP		IP20
Built in orientation		any
Installation altitude / at a height over sea level / maximum	m	4,000
Ambient temperature		
• during storage	°C	-40 ... 80
• during operating	°C	-25 ... 60
• during transport	°C	-40 ... 80
Relative humidity		
• during operating phase	%	5 ... 95
EMC immunity to interference / according to IEC 60947-1		corresponds to degree of severity 3
Conductor-bound parasitic coupling BURST		
• according to IEC 61000-4-4		1 kV
Conductor-bound parasitic coupling conductor-earth SURGE		
• according to IEC 61000-4-5		2 kV
Conductor-bound parasitic coupling conductor-conductor SURGE		
• according to IEC 61000-4-5		1 kV

<b>Field-bound parasitic coupling</b>		
• according to IEC 61000-4-3		10 V/m
<b>Resistance against vibration</b>		1-6 Hz / 15 mm; 6-500 Hz / 2 g
<b>Impulse voltage resistance / rated value</b>	V	4,000
<b>Insulation voltage / rated value</b>	V	300
<b>Number of inputs</b>		3
<b>Number of analog outputs</b>		0
<b>Number of analog inputs</b>		3
<b>Number of digital inputs</b>		0
<b>Number of outputs / as contact-affected switching element</b>		0
<b>Product component / input for thermistor connection</b>		No
<b>Item designation</b>		
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		A
• according to DIN EN 61346-2		B

#### Installation/mounting/dimensions:

<b>Type of mounting</b>		screw and snap-on mounting
<b>Width</b>	mm	22.5
<b>Height</b>	mm	92
<b>Depth</b>	mm	124

#### Connections:

<b>Design of the electrical connection</b>		
• for auxiliary and control current circuit		screw-type terminals
<b>Conductor cross-section that can be connected / for auxiliary contact</b>		
• solid	mm <sup>2</sup>	0.5 ... 4
• stranded wire		
• with conductor end processing	mm <sup>2</sup>	0.5 ... 2.5
• without conductor final cutting	mm <sup>2</sup>	0.5 ... 2.5
<b>AWG number / as coded connectable conductor cross-section</b>		
• for auxiliary contact		20 ... 14

#### Certificates/approvals:

<b>Verification of suitability</b>		CE / UL / CSA / CCC / C-TICK / GOST / NOM / ABS / DNV / GL / LRS / RoHS
------------------------------------	--	---

General Product Approval			For use in hazardous locations	Test Certificates
--------------------------	--	--	--------------------------------	-------------------



CQC



CSA

[ROSTEST](#)



UL

[CQST](#)

[Manufacturer](#)

Shipping Approval	other
-------------------	-------



ABS



DNV



GL

[Manufacturer](#)

[PNO](#)

[other](#)

## Safety:

Protection against electrical shock

finger-safe

## 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

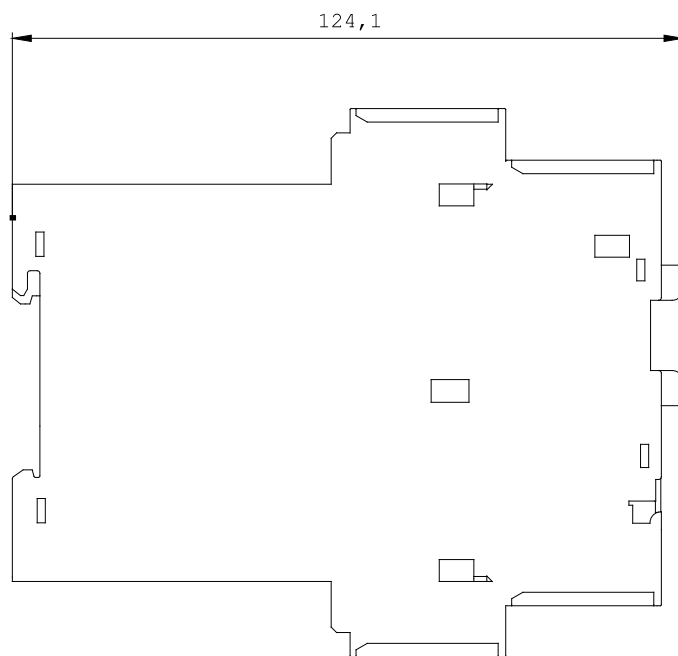
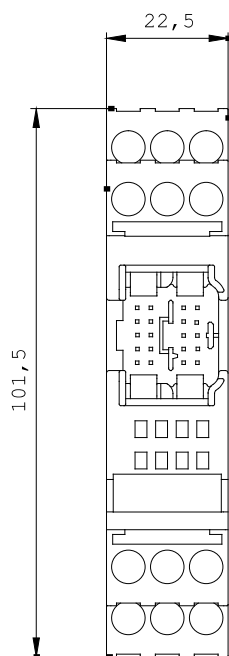
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3UF7700-1AA00-0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3UF7700-1AA00-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3UF7700-1AA00-0)



last change:

Oct 31, 2011