SIEMENS

Product data sheet 3UF7700-1AA00-0



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
mounting position		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

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

Installation/mounting/dimensions:

Type of mounting		screw and snap-on mounting
Width	mm	22.5
Height	mm	92
Depth	mm	124

Connections:

Design of the electrical connection		
• for auxiliary and control current circuit		screw-type terminals
Conductor cross-section that can be connected / for auxiliary contact		
• solid	mm²	0.5 … 4
• finely stranded		
• with conductor end processing	mm²	0.5 … 2.5
• without conductor final cutting	mm²	0.5 … 2.5
AWG number / as coded connectable conductor cross-section		
• for auxiliary contact		20 … 14

Certificates/approvals:

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

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General Product Approval				EMC	For use in hazardous locations
CCC	CSA	GOST	UL	C-TICK	Explosion Protection Certificate
Test Certificates	**Shipping Approval**				
Special Test Certificate	ABS	DNV	GL		
other					
Confirmation	Declaration of Conformity	Profibus	PROFINET-Certification	PROFISafe-Certification	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

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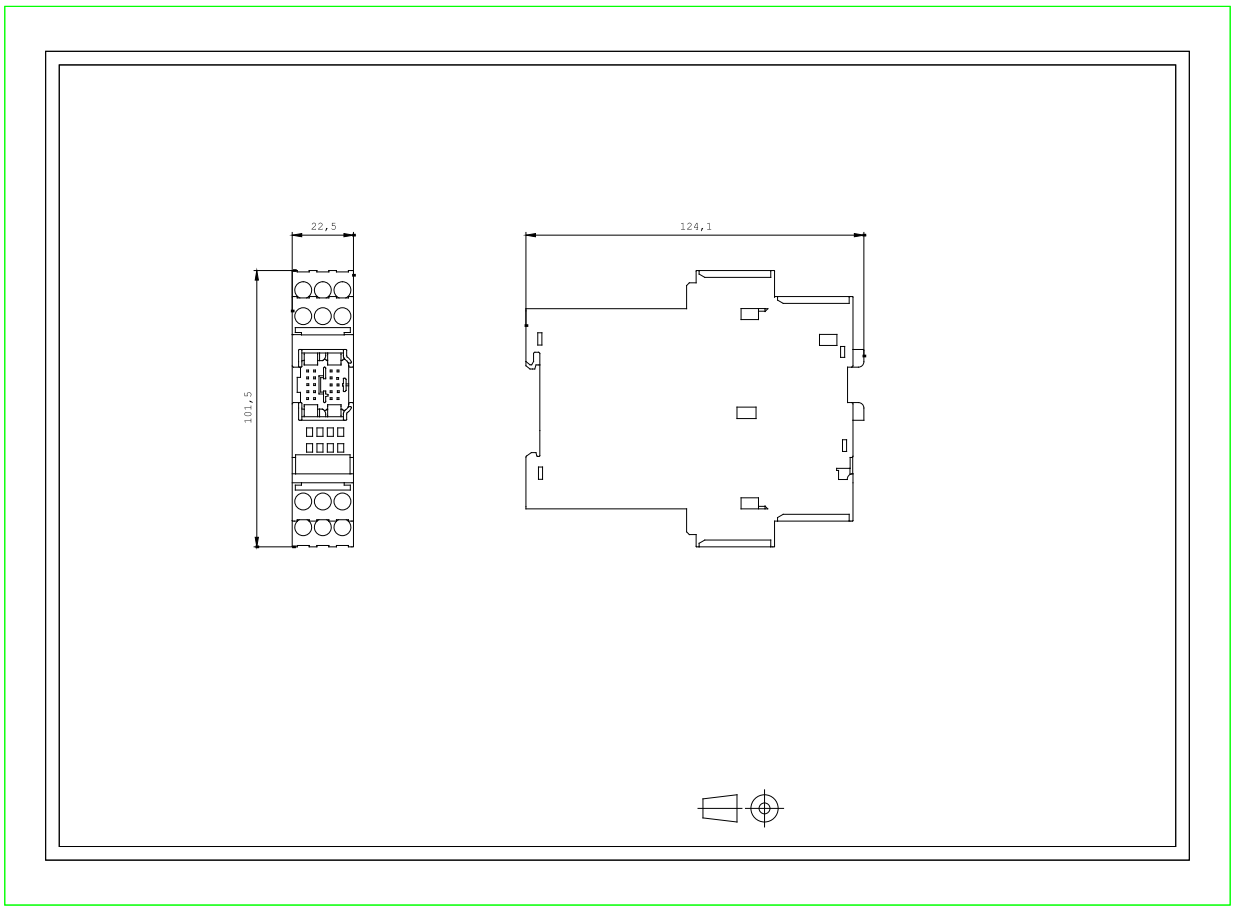

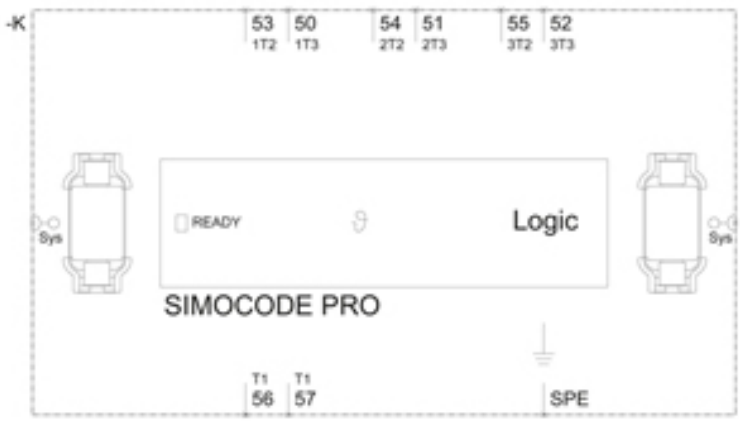

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