



CURRENT MEASURING MODULE;
 SET CURRENT 0,3...3A;
 OVERALL WIDTH 45MM;
 STRAIGHT-THROUGH CT

General technical data:		
product brand name		SIRIUS
product designation		current measuring module
Protection class IP		IP20
mounting position		any
EMC immunity to interference / according to IEC 60947-1		corresponds to degree of severity 3
Conductor-bound parasitic coupling BURST		2 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
Field-bound parasitic coupling / according to IEC 61000-4-3		10 V/m
EMC emitted interference / according to IEC 60947-1		class A
Resistance against vibration		1-6 Hz / 15 mm; 6-500 Hz / 2 g
Impulse voltage resistance / rated value	V	6,000
Insulation voltage / rated value	V	690
Number of outputs / as contact-affected switching element		0
Adjustable response current		
• of the current-dependent overload release		
• initial value	A	0.3
• final value	A	3

Product component		
• input for thermistor connection		No
Product function		
• voltage detection		No
• current detection		Yes
Item designation		
• according to DIN EN 61346-2		F
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		F

Communication:

Product function		
• bus-communication		No

Main circuit:

Number of poles / for main current circuit		3
Operating frequency		
• rated value	Hz	50 ... 60
Operating voltage		
• at 50 Hz / at AC / rated value	V	110 ... 690
• at 60 Hz / at AC / rated value	V	110 ... 690

Control circuit:

Type of voltage		
• of the controlled supply voltage		AC

Installation/mounting/dimensions:

Type of mounting		screw and snap-on mounting
Width	mm	45
Height	mm	84
Depth	mm	45

Connections:

Product function		
• removable terminal for auxiliary and control circuit		No
Design of the electrical connection		
• for main current circuit		straight-through transformers

Ambient conditions:











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

Certificates/approvals:

Verification of suitability	CE / UL / CSA / CCC / C-TICK / GOST / NOM / ATEX / NEPSI / ABS / DNV / GL / LRS / RoHS
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Certificates/approvals:

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

Safety:

Protection against electrical shock	finger-safe
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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

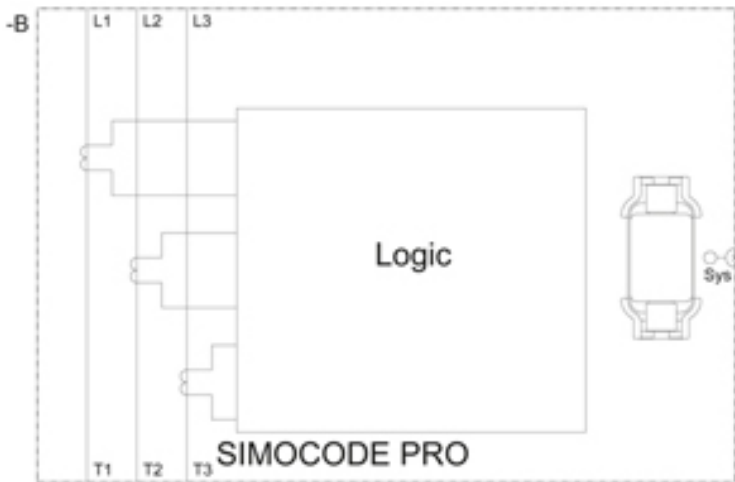
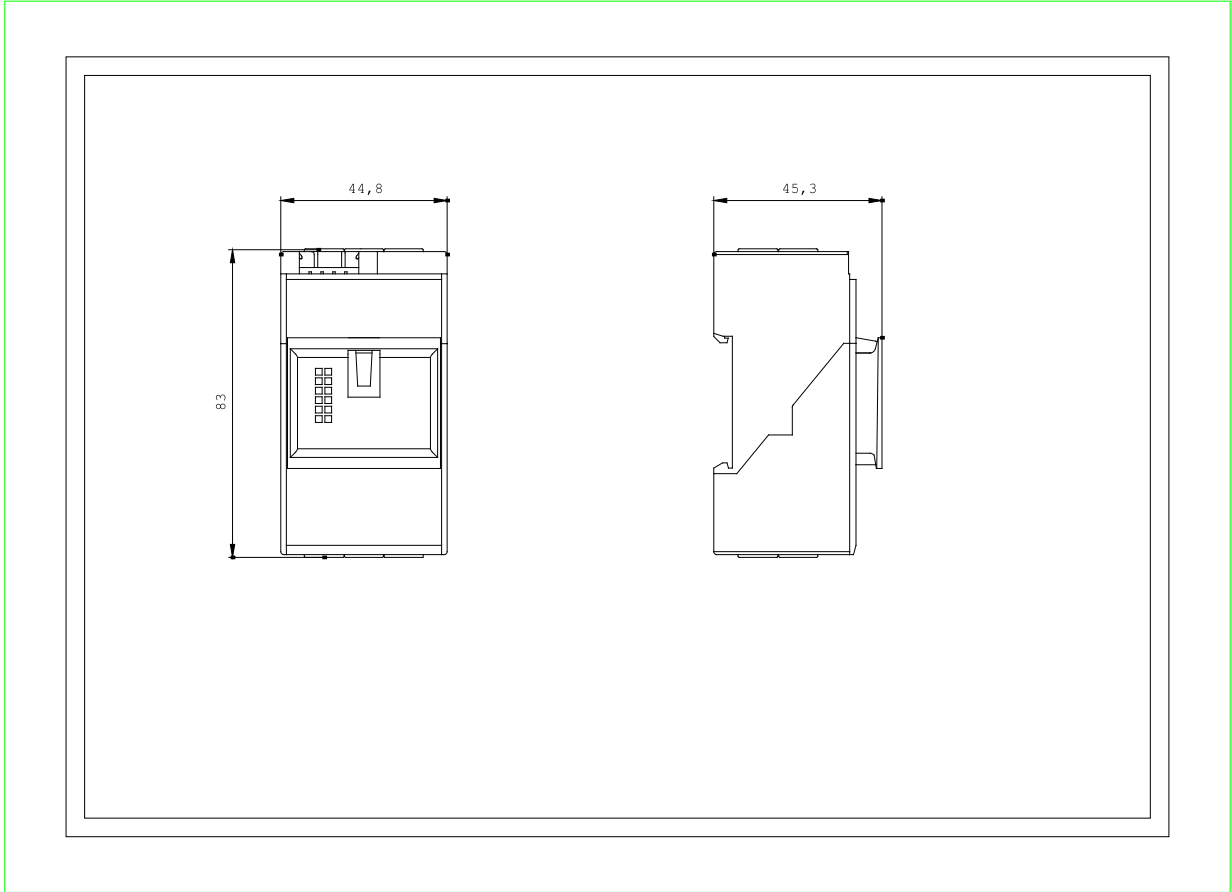
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WWW/view/en/3UF7100-1AA00-0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3UF7100-1AA00-0



last change:

Jul 1, 2013