

CURRENT MEASURING MODULE; SET CURRENT 2,4...25A;  
OVERALL WIDTH 45MM; STRAIGHT-THROUGH CT



Figure similar

<b>product brandname</b>	SIRIUS
<b>Product designation</b>	Current measuring module
<b>General technical data</b>	
<b>Product function</b>	
• Current measurement	Yes
• voltage measurement	No
• active power measurement	No
• Power measurement	No
• frequency measurement	No
<b>Product component</b>	
• input for thermistor connection	No
<b>Insulation voltage</b>	
• with degree of pollution 3 rated value	690 V
<b>Surge voltage resistance rated value</b>	6 000 V
<b>Protection class IP</b>	IP20
<b>Shock resistance</b>	
• acc. to IEC 60068-2-27	15g / 11 ms

<b>Vibration resistance</b>	1-6 Hz / 15 mm; 6-500 Hz / 2 g
<b>Equipment marking</b>	F
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>	

### Electromagnetic compatibility

<b>EMC emitted interference</b>	class A
<ul style="list-style-type: none"> <li>• acc. to IEC 60947-1</li> </ul>	
<b>Conducted interference</b>	
<ul style="list-style-type: none"> <li>• due to burst acc. to IEC 61000-4-4</li> </ul>	2 kV
<ul style="list-style-type: none"> <li>• due to conductor-earth surge acc. to IEC 61000-4-5</li> </ul>	2 kV
<ul style="list-style-type: none"> <li>• due to conductor-conductor surge acc. to IEC 61000-4-5</li> </ul>	1 kV
<b>Field-bound parasitic coupling acc. to IEC 61000-4-3</b>	10 V/m

### Inputs/ Outputs

<b>Number of outputs as contact-affected switching element</b>	0
--	---

### Protective and monitoring functions

<b>Product function</b>	
<ul style="list-style-type: none"> <li>• power factor monitoring</li> </ul>	No
<ul style="list-style-type: none"> <li>• voltage detection</li> </ul>	No

### Motor protection functions

<b>Product function</b>	
<ul style="list-style-type: none"> <li>• Current detection</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Overload protection</li> </ul>	Yes

### Installation/ mounting/ dimensions

<b>Mounting position</b>	any
<b>Mounting type</b>	screw and snap-on mounting
<b>Height</b>	84 mm
<b>Width</b>	45 mm
<b>Depth</b>	45 mm
<b>Required spacing</b>	
<ul style="list-style-type: none"> <li>• top</li> </ul>	30 mm
<ul style="list-style-type: none"> <li>• bottom</li> </ul>	30 mm
<ul style="list-style-type: none"> <li>• left</li> </ul>	0 mm
<ul style="list-style-type: none"> <li>• right</li> </ul>	0 mm

### Connections/Terminals

<b>Type of electrical connection</b>	straight-through transformers
<ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>	

### Ambient conditions

<b>Ambient temperature</b>	
----------------------------	--

<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-25 ... +60 °C
	-40 ... +80 °C
	-40 ... +80 °C
<b>Relative humidity</b>	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	5 ... 95 %

### Short-circuit protection

<b>Product function Short circuit protection</b>	No
--	----

### Main circuit

<b>Number of poles for main current circuit</b>	3
<b>Adjustable pick-up value current of the current-dependent overload release</b>	2.4 ... 25 A
<b>Operating voltage</b>	
<ul style="list-style-type: none"> <li>• at AC</li> </ul>	
<ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> </ul>	110 ... 690 V
<ul style="list-style-type: none"> <li>— at 60 Hz rated value</li> </ul>	110 ... 690 V
<b>Operating frequency rated value</b>	50 ... 60 Hz

### Control circuit/ Control

<b>Type of voltage</b>	AC
<b>Type of voltage of the control supply voltage</b>	AC

### Certificates/approvals

General Product Approval	EMC	For use in hazardous locations
--------------------------	-----	--------------------------------



For use in hazardous locations	Declaration of Conformity	Test Certificates	Shipping Approval
--------------------------------	---------------------------	-------------------	-------------------

[Explosion Protection Certificate](#)



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



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



[Confirmation](#)



[PROFINET-Certification](#)

[PROFIsafe-Certification](#)

### Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3UF7101-1AA00-0>

**Cax online generator**

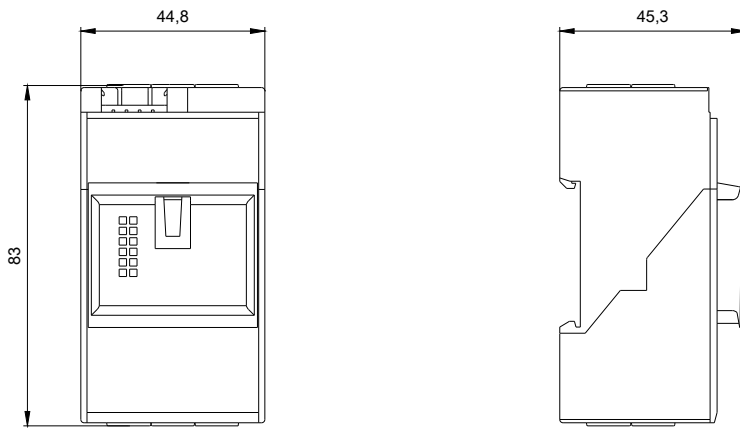
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7101-1AA00-0>

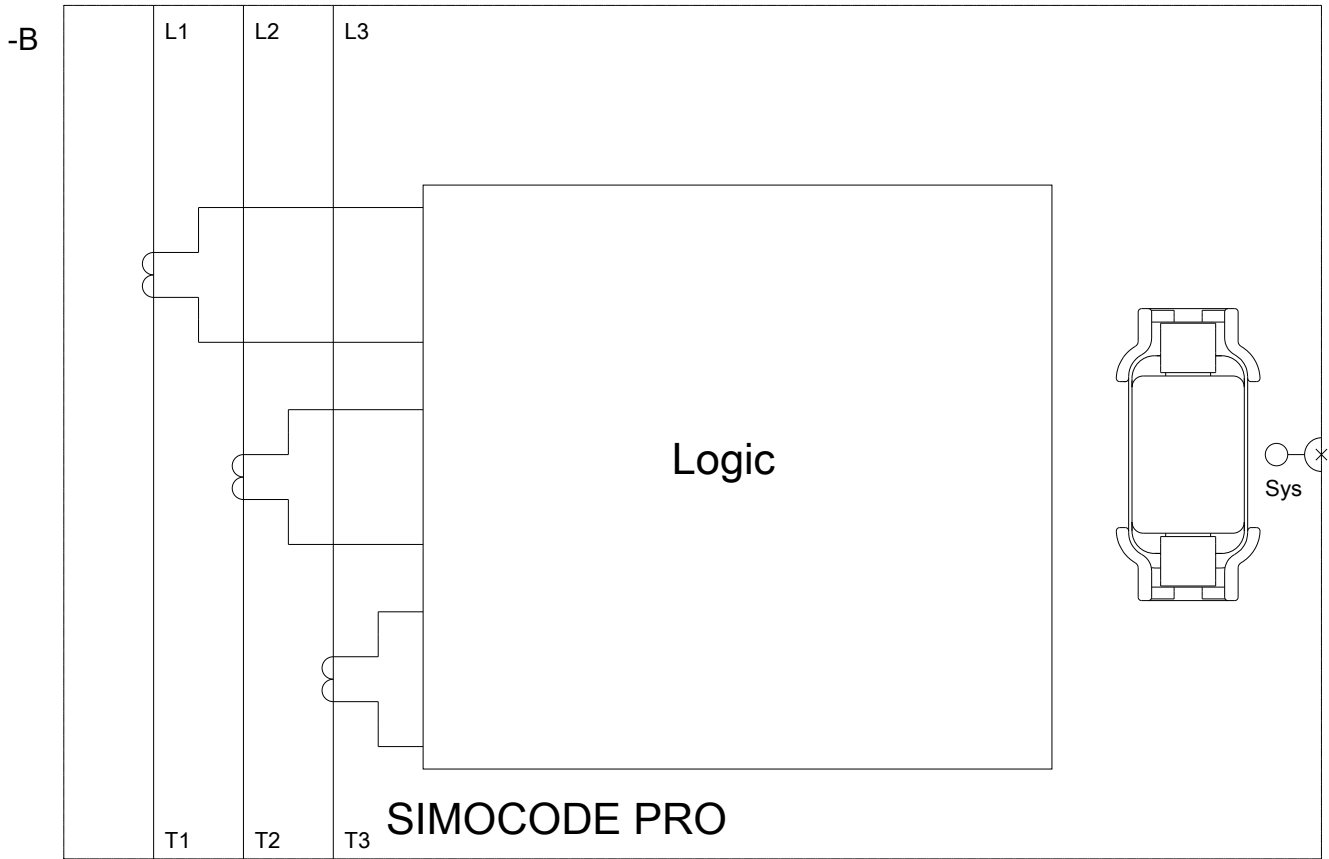
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3UF7101-1AA00-0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3UF7101-1AA00-0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7101-1AA00-0&lang=en)





last modified:

07/25/2017