

CURRENT MEASURING MODULE; SET CURRENT 63...630A;  
OVERALL WIDTH 145MM; BUS BAR CONNECTION



<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>	8 000 V
<b>Protection class IP</b>	IP00
<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>	

- acc. to DIN EN 81346-2

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## Electromagnetic compatibility

<b>EMC emitted interference</b>	
<ul style="list-style-type: none"> <li>• acc. to IEC 60947-1</li> </ul>	class A
<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
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## 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>	direct mounting / stand-alone installation
<b>Height</b>	147 mm
<b>Width</b>	145 mm
<b>Depth</b>	148 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>	
<ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>	busbar connection

## Ambient conditions

<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +80 °C

• during transport	-40 ... +80 °C
<b>Relative humidity</b>	
• during operation	5 ... 95 %

### Short-circuit protection

<b>Product function Short circuit protection</b>	No
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### 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>	63 ... 630 A
<b>Operating voltage</b>	
• at AC	
— at 50 Hz rated value	110 ... 690 V
— at 60 Hz rated value	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	
 CSA	 UL		 C-Tick	 ATEX

[Explosion Protection Certificate](#)

Declaration of Conformity	Test Certificates			Shipping Approval	
 EG-Konf.	<a href="#">Type Test Certificates/Test Report</a>	<a href="#">Special Test Certificate</a>	<a href="#">Declaration of the Compliance with the order</a>	 ABS	 DNV

Shipping Approval	other				
 LRS	 RMRS	<a href="#">Confirmation</a>	<a href="#">PROFIsafe-Certification</a>	 Profibus	<a href="#">PROFINET-Certification</a>

### 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=3UF7104-1BA00-0>

**Cax online generator**

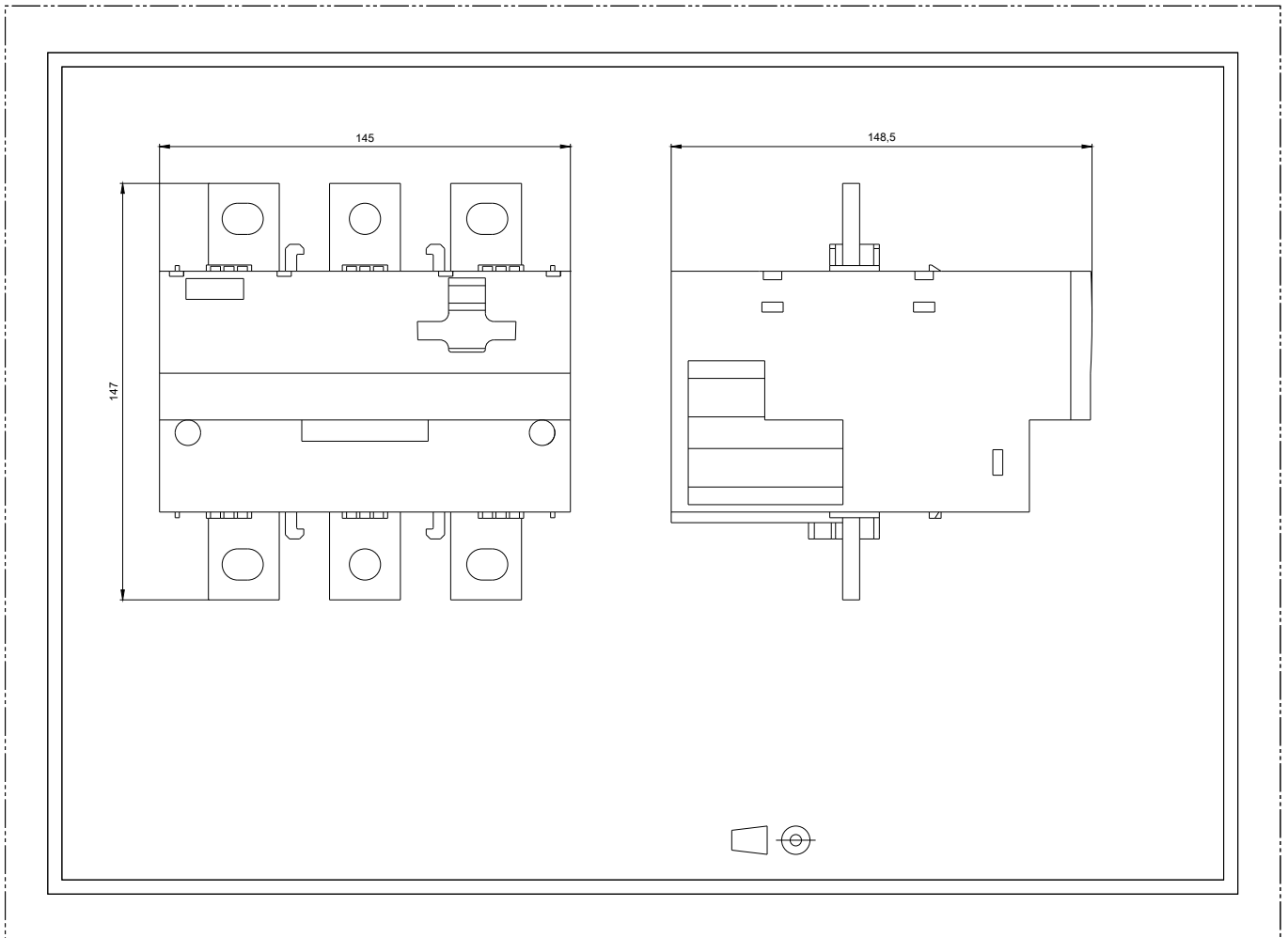
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7104-1BA00-0>

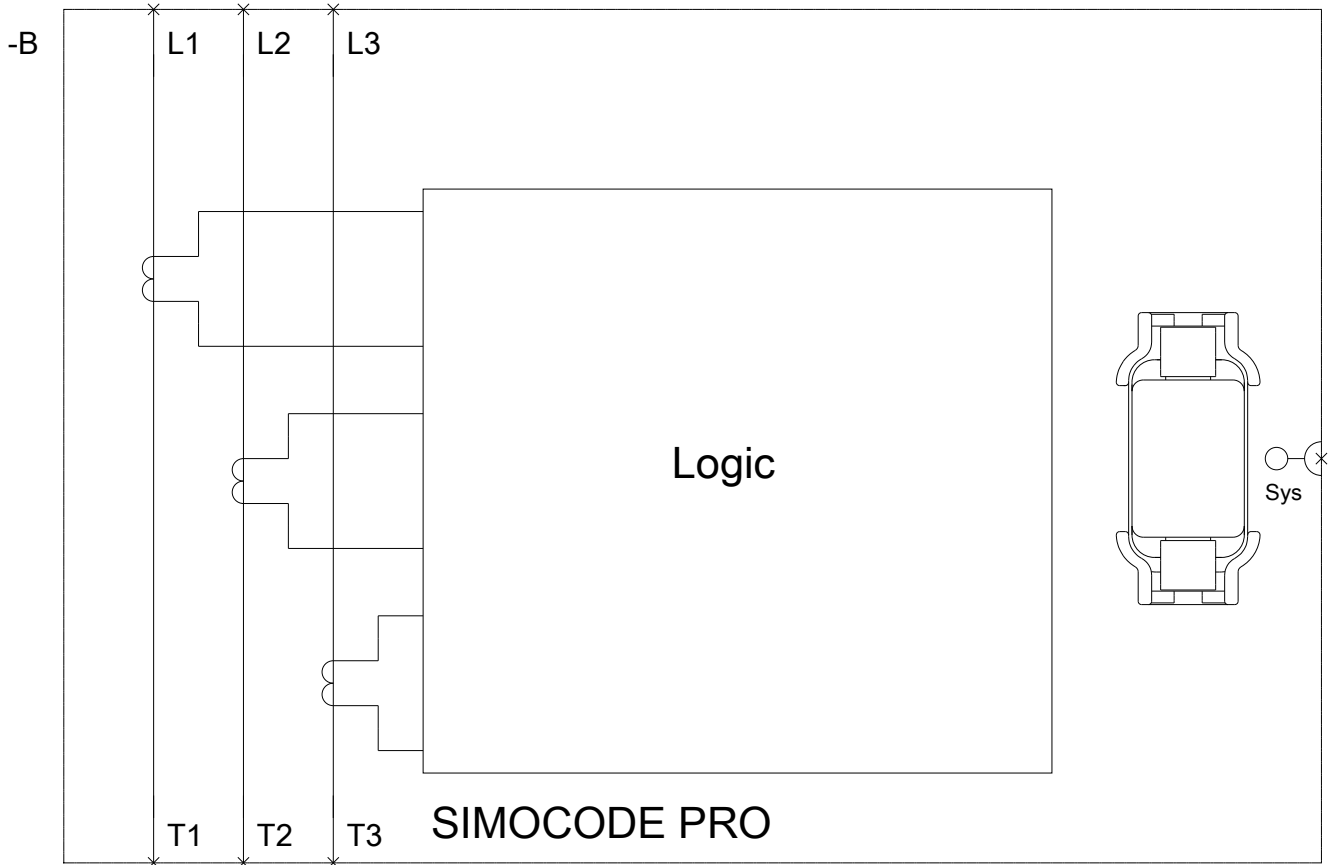
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3UF7104-1BA00-0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3UF7104-1BA00-0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7104-1BA00-0&lang=en)





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