



Current measuring module, Set current 10...100 A Overall width 55 mm, straight-through transformer

<b>product brand name</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
• energy measurement	No
• frequency measurement	No
<b>product component</b>	
• input for thermistor connection	No
<b>consumed active power</b>	0.2 W
<b>insulation voltage</b>	
• with degree of pollution 3 at AC rated value	690 V
• for wires of main circuit according to IEC 60947-1 rated value	6 kV
<b>surge voltage resistance rated value</b>	6 000 V
<b>protection class IP</b>	IP20
<b>shock resistance according to IEC 60068-2-27</b>	15g / 11 ms
<b>reference code according to IEC 81346-2</b>	F
<b>Substance Prohibitance (Date)</b>	05/28/2009
<b>SVHC substance name</b>	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8
<b>certificate of suitability</b>	
• according to ATEX directive 2014/34/EU	BVS 06 ATEX F001
• according to UKCA	ITS21UKEX0464
explosion device group and category according to ATEX directive 2014/34/EU	II (2) G, II (2) D, I (M2)
<b>Electromagnetic compatibility</b>	
EMC emitted interference according to IEC 60947-1	class A
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3
<b>conducted interference</b>	
• due to burst according to IEC 61000-4-4	2 kV
• due to conductor-earth surge according to IEC 61000-4-5	2 kV
• due to conductor-conductor surge according to IEC 61000-4-5	1 kV
<b>field-based interference according to IEC 61000-4-3</b>	10 V/m
<b>Inputs/ Outputs</b>	
<b>number of outputs as contact-affected switching element</b>	0
<b>Protective and monitoring functions</b>	
<b>product function</b>	

<ul style="list-style-type: none"> <li>• power factor monitoring</li> <li>• ground-fault monitoring</li> <li>• voltage detection</li> </ul>	No	
<b>trip class</b>	CLASS 5E	
<b>product function</b>		
<ul style="list-style-type: none"> <li>• current detection</li> <li>• overload protection</li> </ul>	Yes	
	Yes	
<b>Installation/ mounting/ dimensions</b>		
<b>mounting position</b>	any	
<b>fastening method</b>	screw and snap-on mounting	
<b>height</b>	94 mm	
<b>width</b>	55 mm	
<b>depth</b>	72 mm	
<b>required spacing</b>		
<ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	30 mm	
	30 mm	
	0 mm	
	0 mm	
<b>diameter of inlet opening</b>	14 mm	
<b>diameter of inlet opening for current measurement</b>	14 mm	
<b>Ambient conditions</b>		
<b>installation altitude at height above sea level</b>		
<ul style="list-style-type: none"> <li>• 1 maximum</li> <li>• 2 maximum</li> <li>• 3 maximum</li> </ul>	2 000 m	
	3 000 m; max. +50 °C (no protective separation)	
	4 000 m; max. +40 °C (no protective separation)	
<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>environmental category</b>		
<ul style="list-style-type: none"> <li>• during operation according to IEC 60721</li> <li>• during storage according to IEC 60721</li> <li>• during transport according to IEC 60721</li> </ul>	3K6 (no formation of ice, no condensation, relative humidity 10 ... 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6	
	1K6 (no condensation, relative humidity 10 ... 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4	
	2K2, 2C1, 2S1, 2M2	
relative humidity during operation	5 ... 95 %	
<b>Short-circuit protection</b>		
<b>product function short circuit protection</b>	No	
<b>Galvanic isolation</b>		
<b>(electrically) protective separation according to IEC 60947-1</b>	All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information)	
<b>Main circuit</b>		
<b>number of poles for main current circuit</b>	3	
<b>adjustable current response value current of the current-dependent overload release</b>	10 ... 100 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> <li>— at 60 Hz rated value</li> </ul>	110 ... 690 V	
	110 ... 690 V	
<b>operating frequency rated value</b>	50 ... 60 Hz	
<b>Control circuit/ Control</b>		
<b>type of voltage</b>	AC	
<b>Approvals Certificates</b>		
General Product Approval	EMC	For use in hazardous locations



[Confirmation](#)



For use in hazardous locations	Declaration of Conformity	Test Certificates
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IECEX



ATEX

[Explosion Protection Certificate](#)



EG-Konf.

[Special Test Certificate](#)

Test Certificates	Marine / Shipping	other
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[Type Test Certificates/Test Report](#)



ABS



LRS



RMRS



DNV-GL

[Confirmation](#)

other
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Profibus

Further information
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Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3UF7102-1AA00-0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7102-1AA00-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3UF7102-1AA00-0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3UF7102-1AA00-0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7102-1AA00-0&lang=en)

Test report No. A0258, protective separation

<https://support.industry.siemens.com/cs/ww/en/view/109748152>



