## **SIEMENS**

product brand name

Data sheet 3UF7104-1BA00-0

SIRIUS

Current measuring module, Set current 63...630 A Overall width 145 mm, busbar connection



P			
product designation	Current measuring module		
General technical data			
product function			
<ul> <li>current measurement</li> </ul>	Yes		
<ul> <li>voltage measurement</li> </ul>	No		
<ul> <li>active power measurement</li> </ul>	No		
<ul> <li>energy measurement</li> </ul>	No		
frequency measurement	No		
product component			
input for thermistor connection	No		
consumed active power	0.2 W		
insulation voltage			
<ul> <li>with degree of pollution 3 at AC rated value</li> </ul>	690 V		
for wires of main circuit according to IEC 60947-1 rated value	8 kV		
surge voltage resistance rated value	8 000 V		
protection class IP	IP00		
shock resistance according to IEC 60068-2-27	15g / 11 ms		
reference code according to IEC 81346-2	F		
Substance Prohibitance (Date)	07/01/2006		
SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8		
certificate of suitability			
<ul> <li>according to ATEX directive 2014/34/EU</li> </ul>	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)		
Electromagnetic compatibility			
EMC emitted interference according to IEC 60947-1	class A		
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3		
conducted interference			
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV		
• due to conductor-earth surge according to IEC 61000-4-5	2 kV		
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	1 kV		
field-based interference according to IEC 61000-4-3	10 V/m		
Inputs/ Outputs			
number of outputs as contact-affected switching element	0		
Protective and monitoring functions			
product function			
power factor monitoring	No		

• ground fault monitoring	No			
<ul><li> ground-fault monitoring</li><li> voltage detection</li></ul>	No No			
trip class	CLASS 5E			
product function	OLAGO OL			
current detection	Yes			
overload protection	Yes			
Installation/ mounting/ dimensions	163	_	_	
	any			
mounting position	any			
fastening method	direct mounting / stand-alone installation			
height width	147 mm			
depth	148 mm			
required spacing	140 111111			
• top	30 mm			
• bottom	30 mm			
• left				
• right	0 mm			
Connections/ Terminals	OTHIN			
type of connectable conductor cross-sections at the measurement inputs for current				
<ul> <li>solid with core end processing</li> </ul>	50 mm² 240 mm²			
stranded with core end processing	70 mm² 240 mm²			
• for AWG cables	1/0 kcmil 500 kcmil			
design of the thread of the connection screw at the measurement inputs for current	M8 x 25			
Ambient conditions				
installation altitude at height above sea level				
• 1 maximum	2 000 m			
• 2 maximum	3 000 m; max. +50 °C (no protective separation)			
• 3 maximum	4 000 m; max. +40 °C (no protective separation)			
ambient temperature				
during operation	-25 +60 °C			
during storage	-40 +80 °C			
during transport	-40 +80 °C			
environmental category				
<ul> <li>during operation 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			
during storage according to IEC 60721	1K6 (no condensation, relative humidity 10 $\dots$ 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4			
during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2			
relative humidity during operation	5 95 %			
Short-circuit protection				
product function short circuit protection	No			
Galvanic isolation				
(electrically) protective separation according to IEC 60947-1	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)			
Main circuit				
number of poles for main current circuit	3			
adjustable current response value current of the current- dependent overload release	63 630 A			
operating voltage				
• at AC				
— at 50 Hz rated value	110 690 V			
— at 60 Hz rated value	110 690 V			
operating frequency rated value	50 60 Hz			
Control circuit/ Control				
type of voltage	AC			
Approvals Certificates				
General Product Approval		EMC	For use in hazard- ous locations	













For use in hazardous locations

**Declaration of Conformity** 

**Test Certificates** 



**Explosion Protection Certificate** 





Special Test Certific-

Type Test Certificates/Test Report

Marine / Shipping

other









Confirmation



Profibus

## Further information

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=3UF7104-1BA00-0

Cax online generator

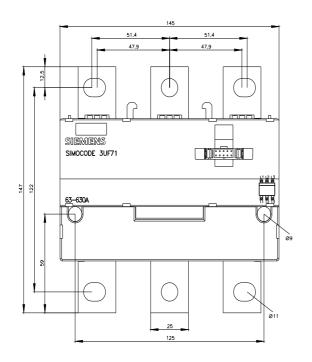
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/ww/en/ps/3UF7104-1BA00-0">https://support.industry.siemens.com/cs/ww/en/ps/3UF7104-1BA00-0</a>

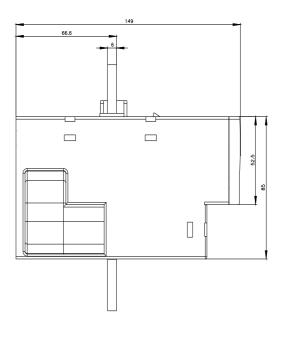
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

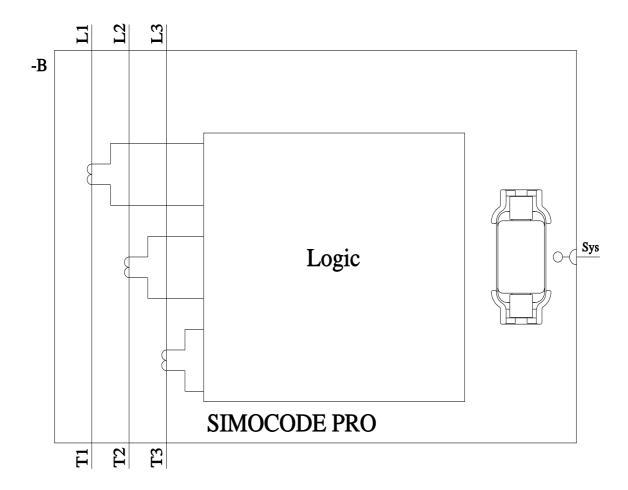
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UF7104-1BA00-0&lang=en

Test report No. A0258, protective separation

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







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