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			
 current measurement 	Yes		
 voltage measurement 	No		
 active power measurement 	No		
 energy measurement 	No		
frequency measurement	No		
product component			
input for thermistor connection	No		
consumed active power	0.2 W		
insulation voltage			
 with degree of pollution 3 at AC rated value 	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			
 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)		
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			
 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		
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		

a ground fault monitoring	No			
ground-fault monitoringvoltage detection	No No			
trip class	NO CLASS 5E			
product function	CLASS 5E			
current detection	Voc			
	Yes			
overload protection Installation/magning/dimensions	Yes			
Installation/ mounting/ dimensions				
mounting position	any			
fastening method	direct mounting / stand-alone installation			
height	147 mm			
width	145 mm			
depth	148 mm			
required spacing	30 mm			
• top				
• bottom	30 mm			
• left	0 mm			
• right	0 mm			
Connections/ Terminals				
type of connectable conductor cross-sections at the measurement inputs for current				
solid with core end processing	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 prote	ective senaration)		
• 3 maximum	4 000 m; max. +40 °C (no protective separation)			
ambient temperature	1 000 m, max. 1 to 0 (no prote	ouvo ooparation)		
during operation	-25 +60 °C			
during operation during storage	-40 +80 °C			
during storage during transport	-40 +80 °C			
environmental category	40 100 0			
during operation according to IEC 60721	3K6 (no formation of ice, no cor	ndensation relative humi	dity 10 95%) 3C3	
	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			
during storage according to IEC 60721	(sand must not get into the devices), 1M4			
during transport according to IEC 60721 relative hymidity during exercises.	2K2, 2C1, 2S1, 2M2			
relative humidity during operation	5 95 %			
Short-circuit protection	N			
product function short circuit protection	No			
Galvanic isolation				
(electrically) protective separation according to IEC 60947-1	All circuits with protective separ the information in the "Protectiv observed (link see further inforr	e Separation" test report,		
Main circuit				
number of poles for main current circuit	3			
adjustable current response value current of the current-	63 630 A			
dependent overload release				
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				
Canadal Braduat Annasial		EMC	For use in hazard-	
General Product Approval		EMC	ous locations	













For use in hazardous locations

Declaration of Conformity

Test Certificates



Explosion Protection Certificate





Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report

Marine / Shipping









Confirmation

other



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

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

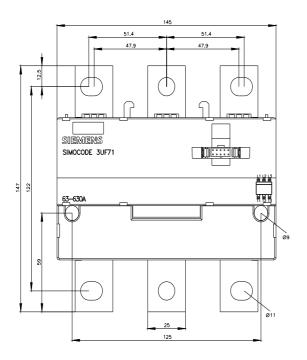
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3UF7104-1BA00-0

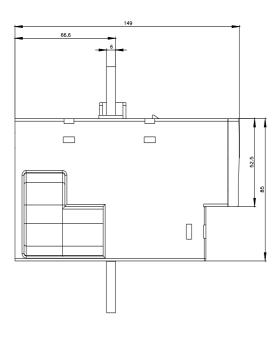
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

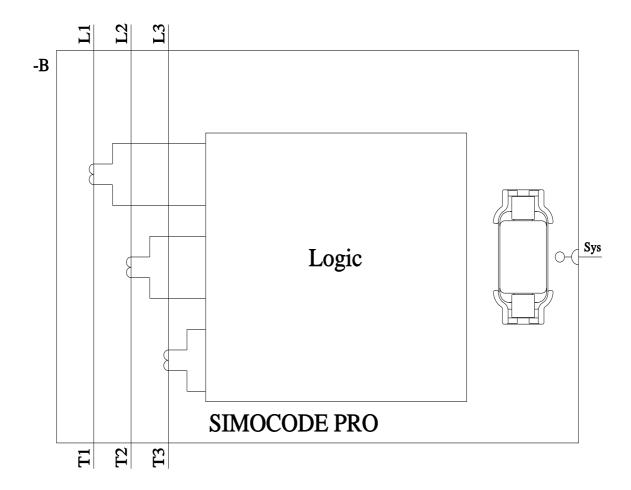
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7104-1BA00-0&lang=en

Test report No. A0258, protective separation

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







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