SIEMENS

Data sheet

3UF7104-1BA00-0

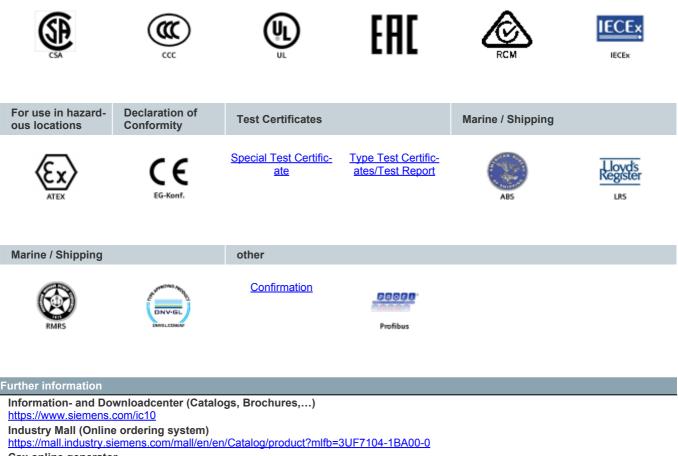


Current measuring module, Set current $63 \\ ... 630$ A Overall width 145 mm, busbar connection

product brand name	SIRIUS		
product designation	Current measuring module		
General technical data			
product function			
 current measurement 	Yes		
 voltage measurement 	No		
 active power measurement 	No		
 power measurement 	No		
frequency measurement	No		
product component			
 input for thermistor connection 	No		
insulation voltage			
 with degree of pollution 3 at AC rated value 	690 V		
 for wires of main circuit acc. to IEC 60947-1 rated value 	8 kV		
surge voltage resistance rated value	8 000 V		
protection class IP	IP00		
shock resistance acc. to IEC 60068-2-27	15g / 11 ms		
vibration resistance	1-6 Hz / 15 mm; 6-500 Hz / 2 g		
reference code acc. to IEC 81346-2	F		
Substance Prohibitance (Date)	01.07.2006		
certificate of suitability			
 according to ATEX directive 2014/34/EU 	BVS 06 ATEX F001		
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 acc. to IEC 60947-1	class A		
EMC immunity acc. to IEC 60947-1	corresponds to degree of severity 3		
conducted interference			
 due to burst acc. to IEC 61000-4-4 	2 kV		
 due to conductor-earth surge acc. to IEC 61000-4-5 	2 kV		
 due to conductor-conductor surge acc. to IEC 61000-4-5 	1 kV		
field-based interference acc. 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		

Short-circuit protection product function short circuit protection Galvanic isolation (electrically) protective separation acc. to IEC 60947-1 Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value Operating frequency rated value Control circuit/ Control	No All circuits with protective set clearances), the information No. A0258, must be observe 3 63 630 A 110 690 V 110 690 V 50 60 Hz	in the "Protective Sepa	ration" test report,	
product function short circuit protection Galvanic isolation (electrically) protective separation acc. to IEC 60947-1 Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value	All circuits with protective set clearances), the information No. A0258, must be observe 3 63 630 A 110 690 V 110 690 V	in the "Protective Sepa	ration" test report,	
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product function short circuit protection Galvanic isolation (electrically) protective separation acc. to IEC 60947-1 Main circuit	All circuits with protective se clearances), the information No. A0258, must be observe	in the "Protective Sepa	ration" test report,	
product function short circuit protection Galvanic isolation (electrically) protective separation acc. to IEC 60947-1	All circuits with protective sep clearances), the information	in the "Protective Sepa	ration" test report,	
product function short circuit protection Galvanic isolation	All circuits with protective sep clearances), the information	in the "Protective Sepa	ration" test report,	
product function short circuit protection Galvanic isolation		paration (double cross	age paths and	
product function short circuit protection	No			
	No			
Short-circuit protection				
relative numbury during operation	5 95 %			
eduring transport acc. to IEC 60721 relative humidity during operation	2K2, 2C1, 2S1, 2M2 5 95 %			
during transport acc. to IEC 60721	1S2 (sand must not get into 1 2K2, 2C1, 2S1, 2M2		(, , , , , , , , , , , , , , , , , , ,	
 during operation acc. to IEC 60721 during storage acc. to IEC 60721 	3K6 (no formation of ice, no 3C3 (no salt mist), 3S2 (sand 1K6 (no condensation, relativ	d must not get into the	devices), 3M6	
environmental category	2KG (no formation of ing	and an action relative	humidity 10 05%	
during transport	-40 +80 °C			
during storage	-40 +80 °C			
during operation	-25 +60 °C			
ambient temperature				
• 3 maximum	4 000 m; max. +40 °C (no pr	otective separation)		
• 2 maximum	3 000 m; max. +50 °C (no pr	' '		
• 1 maximum	2 000 m			
installation altitude at height above sea level				
Ambient conditions				
measurement inputs for current				
design of the thread of the connection screw at the	M8 x 25			
• at AWG cables	1/0 kcmil 500 kcmil			
 stranded with core end processing 	70 mm ² 240 mm ²			
solid with core end processing	50 mm ² 240 mm ²			
type of connectable conductor cross-sections at the measurement inputs for current				
Connections/ Terminals				
• right	0 mm			
• left	0 mm			
• bottom	30 mm			
• top	30 mm			
required spacing				
depth	148 mm			
width	145 mm			
height	147 mm			
fastening method	direct mounting / stand-alone	e installation		
mounting position	any			
Installation/ mounting/ dimensions				
 overload protection 	Yes			
current detection	Yes			
product function				
 voltage detection 	No			
 ground-fault monitoring 	No			

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Cax online generator

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

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

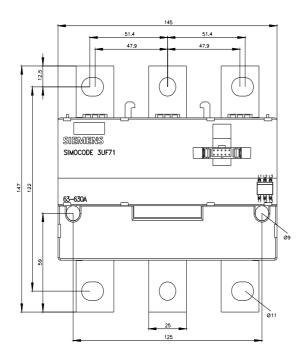
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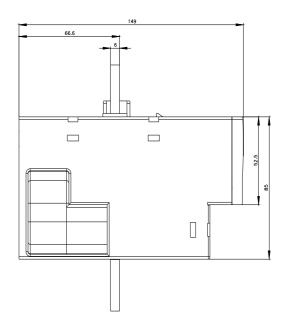
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

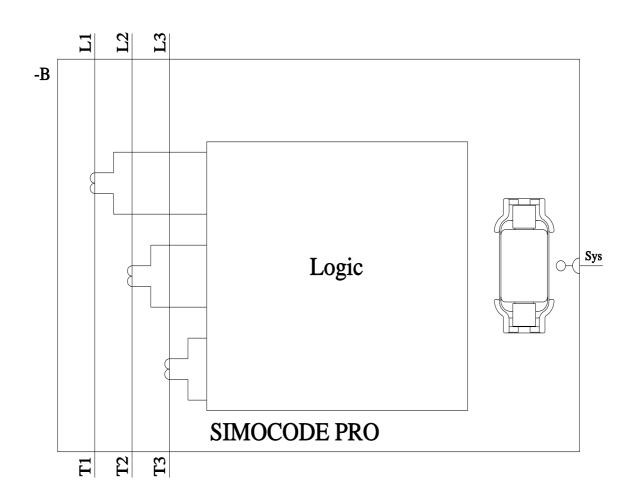
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7104-1BA00-0&lang=en

Test report No. A0258, protective separation

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







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