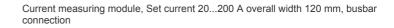
## **SIEMENS**

product brand name

Data sheet 3UF7103-1BA00-0

SIRIUS





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		
voltage detection	No		
trip class	CLASS 5E		
product function	02/100/02		
• current detection	Yes		
overload protection	Yes		
nstallation/ mounting/ dimensions	100		
mounting position	any		
fastening method	direct mounting / stand-alone in	netallation	
height	119 mm	iistaliation	
width	120 mm		
depth	145 mm		
required spacing	143 11111		
• top	30 mm		
• bottom	30 mm		
• left	0 mm		
● right  Connections/ Terminals	0 mm		
type of connectable conductor cross-sections at the measurement inputs for current			
solid with core end processing	16 mm² 95 mm²		
stranded with core end processing	25 mm² 120 mm²		
• for AWG cables	6 kcmil 300 kcmil		
design of the thread of the connection screw at the measurement inputs for current	M8 x 25		
mbient conditions			
installation altitude at height above sea level			
• 1 maximum	2 000 m		
• 2 maximum	3 000 m; max. +50 °C (no prot	ective senaration)	
• 3 maximum	4 000 m; max. +40 °C (no prot		
ambient temperature	r coc m, max. To c (no proc	oouvo ooparation,	
during operation	-25 +60 °C		
during operation     during storage	-40 +80 °C		
during storage     during transport	-40 +80 °C		
environmental category			
during operation according to IEC 60721	3K6 (no formation of ice, no co	undensation relative humin	dity 10 05%) 3C3
during operation according to IEC 00721	(no salt mist), 3S2 (sand must		
• during storage according to IEC 60721	1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4		
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2		
relative humidity during operation	5 95 %		
hort-circuit protection			
product function short circuit protection	No		
Palvanic 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)		
lain circuit			
number of poles for main current circuit	3		
adjustable current response value current of the current- dependent overload release	20 200 A		
operating voltage  • at AC			
	440 600 //		
— 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		
pprovals Certificates			
General Product Approval		EMC	For use in hazard- ous locations











For use in hazardous locations

**Declaration of Conformity** 

**Test Certificates** 





Explosion Protection Certificate





Type Test Certificates/Test Report

**Test Certificates** 

Marine / Shipping

other

Special Test Certificate









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=3UF7103-1BA00-0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7103-1BA00-0

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

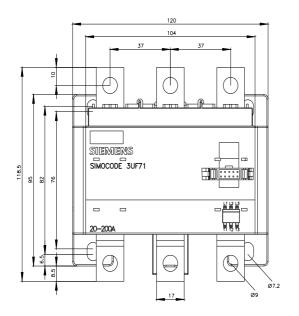
https://support.industry.siemens.com/cs/ww/en/ps/3UF7103-1BA00-0

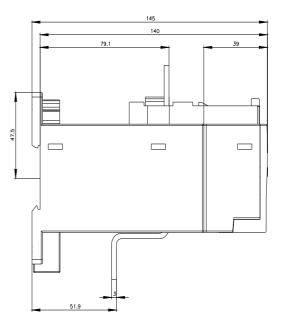
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

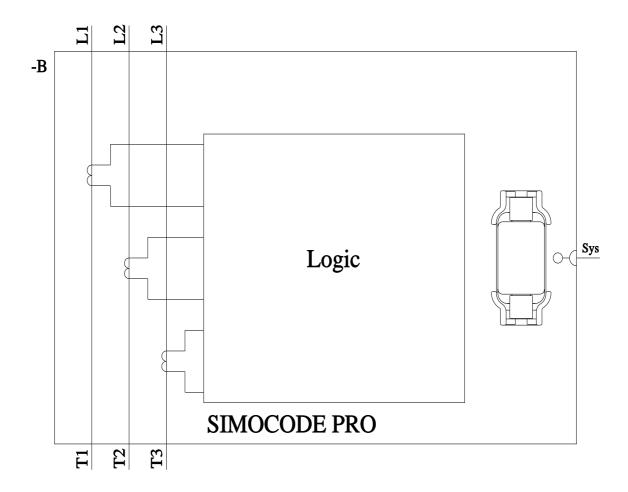
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UF7103-1BA00-0&lang=en

Test report No. A0258, protective separation

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







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