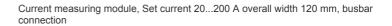
SIEMENS

Data sheet 3UF7103-1BA00-0

SIRIUS





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

• ground-fault monitoring	No
voltage detection	No
trip class	CLASS 5E
product function	
current detection	Yes
 overload protection 	Yes
nstallation/ mounting/ dimensions	
mounting position	any
fastening method	direct mounting / stand-alone installation
height	119 mm
width	120 mm
depth	145 mm
required spacing	
• top	30 mm
• 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	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	M8 x 25
measurement inputs for current	
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	
during operation according to IEC 60721	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 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
Balvanic 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	
— at 50 Hz rated value	110 690 V
	110 690 V
— at 60 Hz rated value	
	50 60 Hz
— at 60 Hz rated value	50 60 Hz
— at 60 Hz rated value operating frequency rated value	50 60 Hz AC





Confirmation







EMV

For use in hazardous locations



<u>KC</u>







other ex-certificates

Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









other

Industrial Communication

Confirmation



Profibus

Further information

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

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

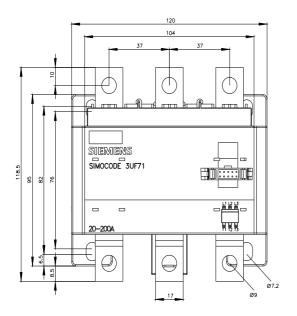
https://support.industry.siemens.com/cs/ww/en/ps/3UF7103-1BA00-0

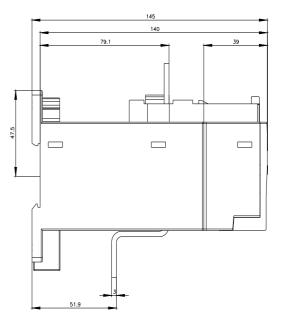
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

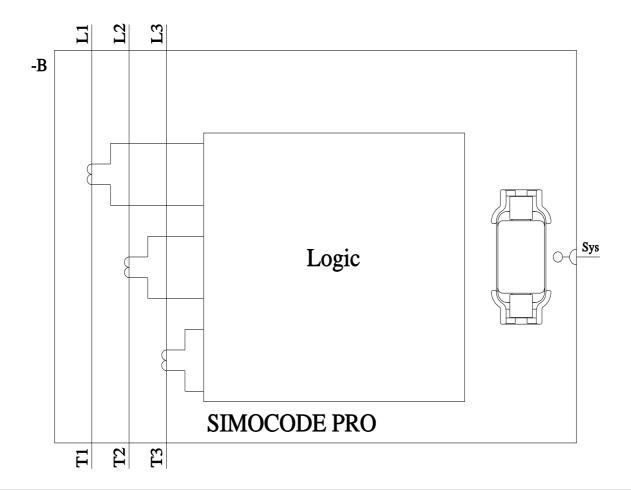
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7103-1BA00-0&lang=en

Test report No. A0258, protective separation

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







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8/16/2023