

CURRENT/VOLTAGE MEASUR. MODULE; SET CURRENT
10...100A; VOLTAGE DETECTION UP TO 690V; OVERALL WIDTH
55MM; STRAIGHT-THROUGH CT



product brand name	SIRIUS
Product designation	current/voltage measuring module
General technical data	
Insulation voltage	
• rated value	690 V
Surge voltage resistance rated value	6 000 V
Protection class IP	IP20
Vibration resistance	1-6 Hz / 15 mm; 6-500 Hz / 2 g
Equipment marking	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F
Electromagnetic compatibility	
EMC emitted interference	
• acc. to IEC 60947-1	class A
EMI 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-bound parasitic coupling 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	
• voltage detection	Yes
Motor protection functions	
Product function	
• Current detection	Yes
Communication/ Protocol	
Product function Bus communication	No
Installation/ mounting/ dimensions	
Mounting position	any
Mounting type	screw and snap-on mounting
Height	94 mm
Width	55 mm
Depth	92 mm
Connections/Terminals	
Product function	
• removable terminal for auxiliary and control circuit	Yes
Type of electrical connection	
• for main current circuit • for auxiliary and control current circuit	straight-through transformers screw-type terminals
Ambient conditions	
Installation altitude at height above sea level maximum	4 000 m
Ambient temperature	
• during operation • during storage • during transport	-25 ... +60 °C -40 ... +80 °C -40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
Relative humidity during operation	5 ... 95 %
Safety related data	

Protection against electrical shock	finger-safe
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Main circuit

Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	10 ... 100 A
Operating voltage • at AC — at 50 Hz rated value — at 60 Hz rated value	110 ... 690 V 110 ... 690 V
Operating frequency rated value	50 ... 60 Hz

Control circuit/ Control

Type of voltage of the control supply voltage	AC
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Certificates/approvals

General Product Approval	EMC	For use in hazardous locations
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For use in hazardous locations	Declaration of Conformity	Test Certificates	Shipping Approval
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[Explosionsschutzertifikat](#)



[Typprüfbescheinigung/Werkszeugnis](#)

[spezielle Prüfbescheinigung](#)



Shipping Approval	other
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[Bestätigungen](#)

[PROFISafe-Zertifizierung](#)



Profibus

[PROFINET-Zertifizierung](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

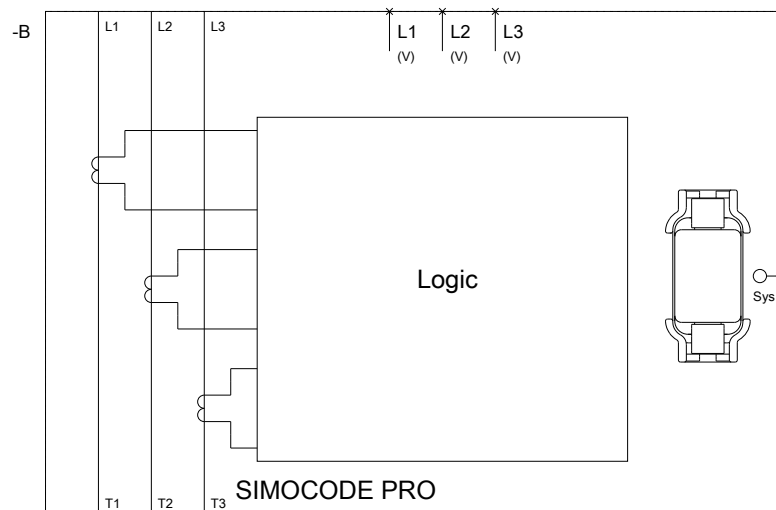
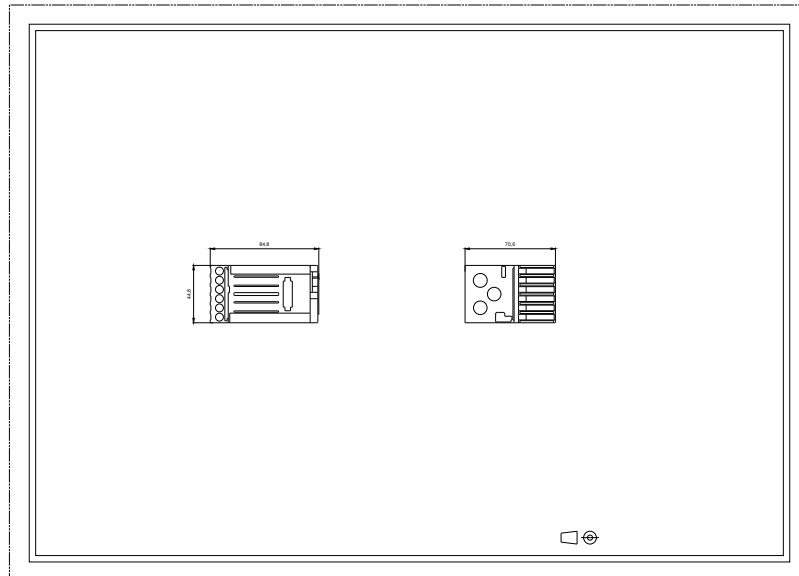
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3UF7112-1AA00-0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7112-1AA00-0>



last modified:

10/17/2016