



MULTIFUNCTION MODULE; 4 INPUTS AND 2 RELAY OUTPUTS; INPUT VOLTAGE AC/DC 110-240V; MONOSTABLE RELAY OUTPUTS; ANALOG RESIDUAL CURRENT DETECTION WITH RES. CURRENT TRANSFORMER 3UL23 CONNECTION OF A TEMPERATURE SENSOR PT100/PT1000/KTY/NTC; MAXIMUM 1 MULTIFUNCTION MODULE PER SIMOCODE PRO S BASIC DEVICE

product brandname	SIRIUS
Product designation	SIMOCODE pro S Motor Management System
Design of the product	Multifunction module

General technical data	
Product component	
• Digital input	Yes
• input for ground fault detection	Yes
• Relay output	Yes
Insulation voltage	
• with degree of pollution 3 rated value	300 V
Surge voltage resistance rated value	4 000 V
Protection class IP	IP20
Shock resistance	
• acc. to IEC 60068-2-27	15g / 11 ms
Vibration resistance	
• acc. to IEC 60068-2-6	1 ... 6 Hz: 15 mm, 6 ... 500 Hz: 2g
Switching behavior	monostable

Switching capacity current of the NO contacts of the relay outputs at AC-15 • at 24 V • at 120 V • at 230 V	6 A 6 A 3 A
Switching capacity current of the NO contacts of the relay outputs at DC-13 • at 24 V • at 60 V	2 A 0.55 A
Mechanical service life (switching cycles) • typical	10 000 000
Electrical endurance (switching cycles) • typical	100 000
Equipment marking • acc. to DIN EN 81346-2	F
Continuous current of the NO contacts of the relay outputs • at 50 °C • at 60 °C	6 A 5 A

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 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-4-6	2 kV (power ports) / 1 kV (signal ports) 2 kV 1 kV 10 V
Field-bound parasitic coupling acc. to IEC 61000-4-3	10 V/m
Electrostatic discharge acc. to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
Conducted HF-interference emissions acc. to CISPR11	corresponds to degree of severity A
Field-bound HF-interference emission acc. to CISPR11	corresponds to degree of severity A

Inputs/ Outputs

Product function • Parameterizable inputs • Parameterizable outputs	Yes Yes
Number of inputs	4
Number of digital inputs	

• with a common reference potential	4
Digital input version	
• Type 1 acc. to IEC 61131	No
• Type 2 acc. to IEC 61131	Yes
Number of sensor inputs	
• for ground fault detection	1
• for temperature measurement	1
Input voltage at digital input at DC rated value	230 V
Number of outputs	2
Number of outputs as contact-affected switching element	2
Number of semiconductor outputs	0
Wire length for digital signals maximum	200 m

Protective and monitoring functions

Product function	
• Ground fault detection	Yes
Design of the sensor	
• for temperature measurement connectable	PT100 / PT1000 / KTY83-110 / KTY84 / NTC
• for ground fault detection connectable	3UL23

Installation/ mounting/ dimensions

Mounting position	any
Height	100 mm
Width	22.5 mm
Depth	124.5 mm

Connections/Terminals

Product function	
• removable terminal for auxiliary and control circuit	Yes
Type of electrical connection	
• for auxiliary and control current circuit	screw-type terminals
Type of connectable conductor cross-sections	
• solid	1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)
• finely stranded with core end processing	1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.0 mm²)
• at AWG conductors solid	1x (20 ... 14), 2x (20 ... 16)
Type of connectable conductor cross-sections	
• at AWG conductors for auxiliary contacts solid	1x (20 ... 14), 2x (20 ... 16)
Tightening torque	
• with screw-type terminals	0.6 ... 0.8 N·m
Tightening torque [lbf·in]	
• with screw-type terminals	5.2 ... 7 lbf·in

Ambient conditions

Installation altitude at height above sea level	2 000 m
Installation altitude at height above sea level maximum	4 000 m
Ambient temperature - during operation - during storage - during transport - at installation altitude ≤ 3000m during operation maximum - at installation altitude ≤ 4000 m during operation maximum	-25 ... +60 °C -40 ... +80 °C -40 ... +80 °C 50 °C 40 °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	10 ... 95 %
Contact rating of auxiliary contacts according to UL	B300 / R300

Short-circuit protection

Design of short-circuit protection

- per output

Fuse links: gG 6 A, quick-response 10 A (IEC 60947-5-1), miniature circuit-breaker C char.: 1.6 A (IEC 60947-5-1) or 6 A (I_K < 500 A)

Safety related data

Protection against electrical shock

finger-safe

Galvanic isolation

Design of the electrical isolation

Protective separation in accordance with IEC 60947-1 for all circuits

- Note

Test report no. 2668 is to be observed

Certificates/approvals

General Product Approval

Declaration of Conformity

Test Certificates



CCC



UL



EG-Konf.

[Typprüfbescheinigung/Werkszeugnis](#)

[spezielle Prüfbescheinigung](#)

Shipping Approval

other



DNV



GL



RMRS

[Bestätigungen](#)

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=3UF7600-1AU01-0>

Cax online generator

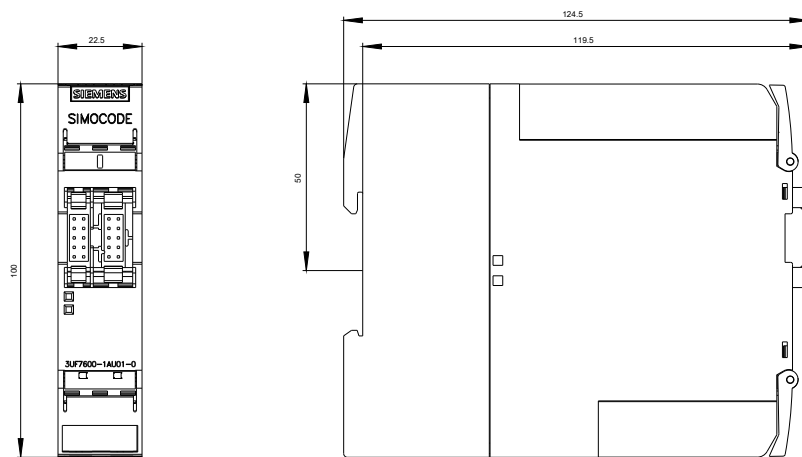
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7600-1AU01-0>

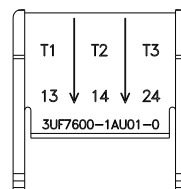
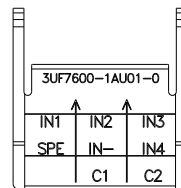
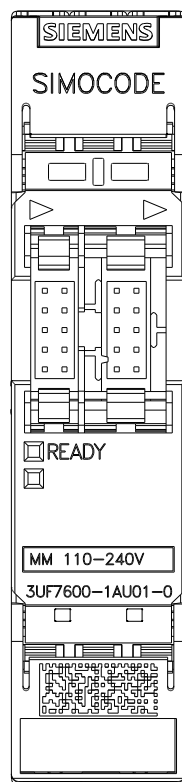
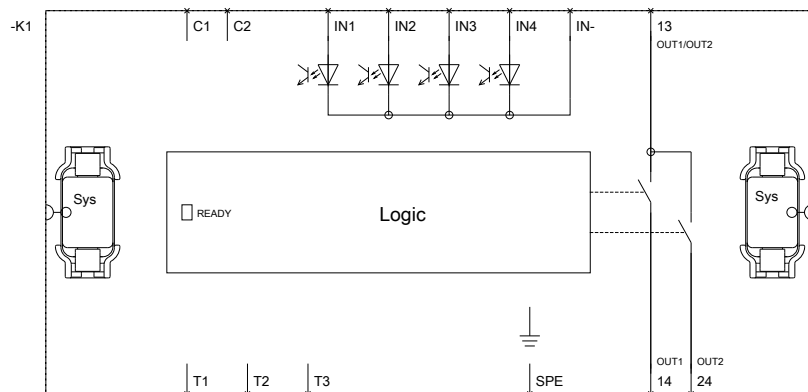
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3UF7600-1AU01-0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7600-1AU01-0&lang=en





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