



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

Figure similar

product brand name	SIRIUS
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General technical data:

Insulation voltage		
<ul style="list-style-type: none"> with degree of pollution 3 Rated value 	V	300
Shock resistance		
<ul style="list-style-type: none"> acc. to IEC 60068-2-27 		15g / 11 ms
Vibration resistance		
<ul style="list-style-type: none"> acc. to IEC 60068-2-6 		1 ... 6 Hz: 15 mm, 6 ... 500 Hz: 2g
Surge voltage resistance Rated value	V	4 000
Mechanical service life (switching cycles)		
<ul style="list-style-type: none"> typical 		10 000 000
Electrical endurance (switching cycles)		
<ul style="list-style-type: none"> typical 		100 000
Protection class IP		IP20
Equipment marking		
<ul style="list-style-type: none"> acc. to DIN EN 81346-2 		F

Electromagnetic compatibility:

EMC emitted interference		
<ul style="list-style-type: none"> 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 (power ports) / 1 kV (signal ports)
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV

Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV
Conducted interference due to high-frequency radiation acc. to IEC 61000-4-6		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

Inputs/ Outputs:

Number of inputs		4
Number of digital inputs		
<ul style="list-style-type: none"> with a common reference potential 		4
Digital input version		
<ul style="list-style-type: none"> Type 1 acc. to IEC 61131 Type 2 acc. to IEC 61131 		No Yes
Number of sensor inputs		
<ul style="list-style-type: none"> for ground fault detection for temperature measurement 		1 1
Number of outputs		2
Number of outputs as contact-affected switching element		2
Number of semiconductor outputs		0

Protective and monitoring functions:

Design of the sensor		
<ul style="list-style-type: none"> for temperature measurement connectable for ground fault detection connectable 		PT100 / PT1000 / KTY83-110 / KTY84 / NTC 3UL23

Installation/ mounting/ dimensions:

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

Connections/ Terminals:

Type of electrical connection		
<ul style="list-style-type: none"> for auxiliary and control current circuit 		screw-type terminals
Product function		
<ul style="list-style-type: none"> removable terminal for auxiliary and control circuit 		Yes
Type of connectable conductor cross-section		
<ul style="list-style-type: none"> solid finely stranded with core end processing for AWG conductors <ul style="list-style-type: none"> — solid for AWG conductors for auxiliary contacts 		1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²) 1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.0 mm ²) 1x (20 ... 14), 2x (20 ... 16)

— solid		1x (20 ... 14), 2x (20 ... 16)
Tightening torque		
• with screw-type terminals	N·m	0.6 ... 0.8
Tightening torque [lbf·in]		
• with screw-type terminals	lbf·in	5.2 ... 7

Ambient conditions:

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

Short-circuit:

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)
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Safety related data:

Protection against electrical shock		finger-safe
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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	Test Certificates	Shipping Approval	other
			
	Type Test Certificates/Test Report		Declaration of Conformity

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)
<http://www.siemens.com/industrymall>

Cax online generator

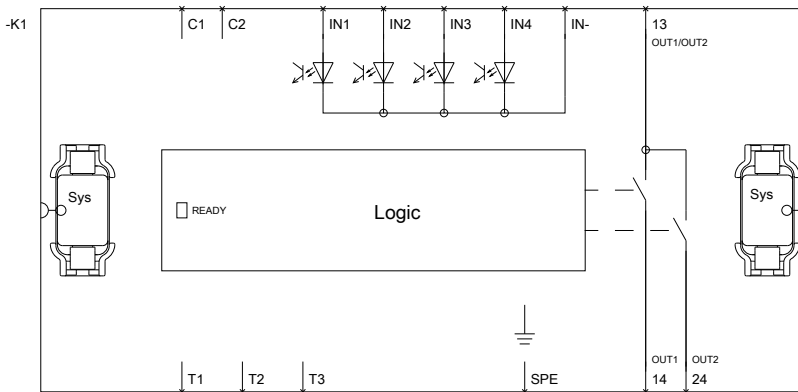
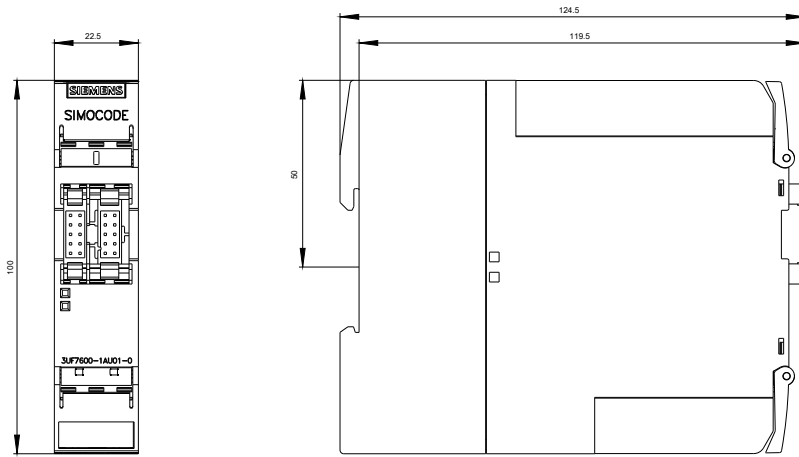
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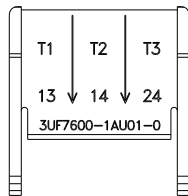
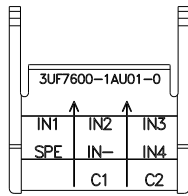
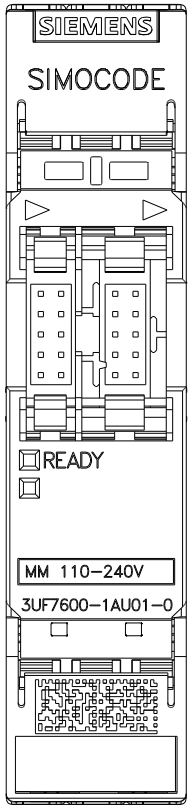
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3UF76001AU010/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3UF76001AU010&lang=en





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