

RGU2, Residual current relay

- Code: P11A61.
- > Módules: 2
- > N° relays: 1
- > I∆n (A): 0,03 ... 5 A
- > Power supply (Vac): 120...230 Vac
- > Delay: 0,1 ... 5 s, INS, SEL (*1)(*2)
- > Mounting: DIN rail

Description

Electronic industrial residual current protection relay, compatible with the WGC series protection transformers.

Ultra-immunised type-A relay, with high-frequency current filtering and high immunity. True root mean square (TRMS) measure.

- Programmable with backlit LCD display:
- Sensitivity and trip time
- Output contact status.
- Protection status messages.
- Real-time level of leakage.
- LED bar showing the percentage leakage current measured by the unit.
- Features two independent programmable outputs (main and prealarm / relay fault).
- Assembly on DIN 46277 rail (EN 50022), 2 modules.
- \circ Locking the programming menu with the keyboard or by sealing the PROG button.
- RCM and MRCD in the same unit (see connections)

Application

The RGU-2 relays associated with WGC transformers offer smart and robust residual current protection against all types of unwanted tripping. Since these residual current relays only take up 2 modules of space, include an LCD display, a bar LED and are fully programmable, they are essential for protecting people and for preventive maintenance of the installations.

Circutor



Electronic relay for residual current protection and monitoring

Code: P11A61.

Specifications

AC power supply, insulation			
Pulse test (kV)	4kV		
AC power supply			
Installation category	CAT III 300 Vac (IEC 61010)		
Consumption	6 VA		
Frequency	50/60 Hz		
Nominal voltage	120 230V ~		
Mechanical characteristics			
Size (mm) width x height x depth	35 x 112 x 84 (mm)		
Envelope	Polycarbonate V0		
Fastening	DIN rail		
Weight (kg)	0,14		
Environmental characteristics			
Protection class	IP 40		
Relative humidity (without condensation)	5 95 %		
Storage temperature	-25 +70 °C		
Working temperature	-10 +50 °C		
Current measurement circuit			
Transformation ratio	Transformer type TP-WG, WG o WGC de 500/1		
Standards			
Electrical safety, Maximum height (m)	2000		
Electrical safety, Contamination level/class	Pollution resistance 2		
Standards	IEC 60947-2 Anexo M, IEC 62020		
Other digital relay outputs			
Thermal current (Ith)	5 A		
Maximum switching capacity	1250 VA, 150 W		
Insulation voltage	2000 V ~		
Maximum open contact voltage	1000 V ~		
Electrical life	105 (a 3 A)		
Digital relay outputs			
Thermal current (Ith)	10 A		
Insulation voltage	2500 V ~		

Circutor



Electronic relay for residual current protection and monitoring

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Maximum open contact voltage	1000 V ~		
Electrical life	30 x 10 ³ (a 3 A)	30 x 10 ³ (a 3 A)	
Maximum switching capacity	2500 V ~		
Measurement accuracy			
Phase current measurement	< 10 %		
Differential protection			
		Type A ultra-immunised	
Туре	Type A ultra-immunised		
Type Sensitivity (I∆n), A	Type A ultra-immunised 0,03 5		
Type Sensitivity (I∆n), A Delay time (t∆)	Type A ultra-immunised 0,03 5 0,01 5 s		
Type Sensitivity (I∆n), A Delay time (t∆) Transformer	Type A ultra-immunised 0,03 5 0,01 5 s External, WGC series		
Type Sensitivity (IΔn), A Delay time (tΔ) Transformer Protection	Type A ultra-immunised 0,03 5 0,01 5 s External, WGC series		
Type Sensitivity (IΔn), A Delay time (tΔ) Transformer Protection Measure	Type A ultra-immunised 0,03 5 0,01 5 s External, WGC series True root mean square (TRMS)		

RGU-2

Programmable residual current relay, 2 modules with display and static prealarm output

CODE	ТҮРЕ	N° relays	ΙΔn (A)
P11A61.	RGU2	1	0,03 5 A

Requires a WGC residual current transformer.





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Dimensions

Connections

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