

# Integral Earth Leakage Relay



Cat. No.		ELR3A2030	ELR3A2100	ELR3A2300
<b>Parameters</b>				
Supply Voltage (中)		240 V AC		
Supply Variation		±15%		
Frequency		50/60Hz		
Power Consumption (Max.)		8 VA		
Leakage Current Range (IΔn)		30 mA	100 mA	300 mA
Type Class		'A' True RMS measurement (As per IEC 60947-2 appendix M)		
Trip Time (Δt)		Instant	100 ms	100 ms
Test / Reset		Front Plate Keys		
Accuracy		±10%		
Output	Relay Output	1 C/O		
	Contact Rating	5A (Resistive) @ 240 VAC / 30 VDC		
	Electrical Life	1 x 10 <sup>5</sup>		
	Mechanical Life	1 x 10 <sup>7</sup>		
Utilization Category		AC - 15	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A	
		DC - 13	Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.1 A	
LED Indication	Power	Green LED (ON)		
	EL / CT	Red LED (ON) → Relay Trip / Blinking For Alarm (>50% IΔn)		
Operating Temperature		- 5° C to +55° C		
Storage Temperature		- 20° C to +60° C		
Humidity (Non Condensing)		95% (Rh)		
Enclosure		Flame retardant UL94-V0		
Dimension (W x H x D) (in mm)		110 X 74 X 37		
Weight (unpacked) Approx.		120 g		
Mounting		Base / DIN rail		
Certification				
Degree of Protection		IP 20 for Terminals, IP 40 for enclosure		

## EMI / EMC

Harmonic Current Emissions	IEC 61000-3-2
ESD	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transients	IEC 61000-4-4
Surges	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Voltage Dips & Interruptions (AC)	IEC 61000-4-11
Conducted Emission	CISPR 11
Radiated Emission	CISPR 11

## Environmental

Cold Heat	IEC 60068-2-1
Dry Heat	IEC 60068-2-2
Vibration	IEC 60068-2-6

## TERMINAL TORQUE & TERMINAL CAPACITY

 Ø 3.5 mm	0.40 N.m (3.5 Lb.in)
 AWG	1 x 2.5 mm <sup>2</sup> Solid/Stranded Wire 1 x 22 to 12

## MOUNTING DIMENSION (mm)

