

DIN 35mm

Features:

- Monitors True RMS Earth Leakage Current (UPTO 30A) in 1Ø 2 Wire, 3Ø - 3 Wire, 3Ø - 4 Wire systems
- Leakage Current (△I) & Time delay (△I) adjustable
- LED Indication for Measured Leakage Current and various user settings
- Test and Reset function vai Front/Remote
- **CBCT** Open or Short Circuit Detection
- One SPDT Relay Output

Certifications : **(€**

Display Specification

Type Analog No. of LED 5 2 No. Of Knob

LED Indication Power ON, Measured Leakage Current

LED Indication Chart

Conditions	ON	25%	50%	75%	Т
Power on	ON	OFF	OFF	OFF	OFF
Tripped Indication	ON	ON	ON	ON	ON
CBCT Error / Absent / CBCT Short	ON	Blink	Blink	Blink	Blink
25% Leakage Current	ON	ON	OFF	OFF	OFF
50% Leakage Current	ON	ON	ON	OFF	OFF
75% Leakage Current	ON	ON	ON	ON	OFF

Input Specifications

Monitored Leakage Current 30mA, 100mA, 300mA, 500mA and 1A,

3A, 5A, 10A, 20A, 30A

Trip Level Limits 95% to 105% of set leakage current

 $0,\,0.15,\,0.25,\,0.5,\,1,\,2,\,3,\,5,\,7.5,\,9\,\,\text{sec}$ Time Delay

Δt=0 (When leakage set to 30mA)

Reset Time ~1 sec

CBCT Dectection Yes, when CBCT Absent or short

Responce Time < 30ms (If trip current ≥ 5 X set value

< 50ms (if trip current = 1X set value)

Current: ±5% of Set Trip Current Accuracy

Time : $\pm 5\%$ of set Time + Response Time

1. Front (Key) Test / Reset Facility

2. Remote (Through terminal contact)

3. Power interruption

Reset Enable Level Below 85% of tripped level in presence

of CBCT

Output Specification

1. Trip Relay: 1 SPDT Case 1: 10A @ 277V AC / 28 DC(1) (NO)

Case 2 : 5A @ 250V AC (NO) 5A @ 250V AC (NC)

Note: 1) Applicable when NC is not energized with load

Auxiliary Supply Specifications

Supply Voltage	230V AC (±15%), 50/60Hz
Power Consumption	5VA max

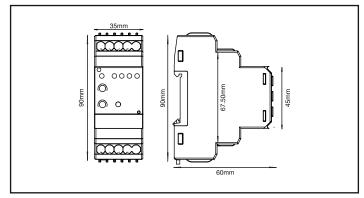
Environmental Specification

Temperature	Operating : 0 to 50°C Storage : 0 to 75°C
Humidity(non-condensing)	Upto 95% RH
Pollution Degree	
For PCB	2
For Product	3
Degree of Protectioon of Device	IP20

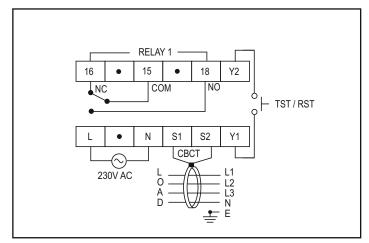
Mechanical Specifications

Mounting	Din Rail	
Weight	157gms	

Dimensions



Terminal Connections



Ordering Information

Product Code	Supply Voltage	Certification
ELRA2M2-1-230V-CE	230V AC (±15%)	C€

Accessories

Product Code	Inner Diametes	Turns Ratio
CBCT-35-1	35mm Inner Diameter	1000:1
CBCT-70-1	70mm Inner Diameter	1000:1
CBCT-120-1	120mm Inner Diameter	1000:1
CBCT-210-1	210mm Inner Diameter	1000:1
CBCT-310-1	310mm Inner Diameter	1000:1

Compliance

Applicable EMI / EMC Standards				
Product Standard : IEC 60947-2				
Category	Reference Standards	Testing Level		
Conducted Emissions	CISPR-11	Class-A		
Conducted Susceptibility	IEC 61000-4-6	Class-A		
Electrical Fast Transient	IEC 61000-4-4	Class-A		
Electrostatic Discharge	IEC 61000-4-2	Class-A		
Radiated Emission	IEC 61000-4-20	Class-A		
Radiated Susceptibility	IEC 61000-4-3	Class-A		
Surge	IEC 61000-4-5	Class-B		
AC Voltage Test	IEC 61010-1	Clause 6.7		
Resistance To Heat Test	IEC 61010-1	Clause 10.5		
Single Fault Test	IEC 61010-1	Clause 4.4 and 10		
Temperature Rise Test	IEC 61010-1	Clause 10.1 - 10.4		

vww.selec.com 2