Earth Leakage Relay

600ELR



Features :

- **Monitors True RMS Earth leakage current in 1Ø - 2 Wire, 3Ø - 3 Wire & 3Ø - 4 Wire**
- **Leakage current (In) & time delay (ΔT) adjustable**
- **LED Indication for power ON and relay status**
- **Test and reset function via key**
- **CBCT open or short circuit detection**
- **One SPDT relay output**

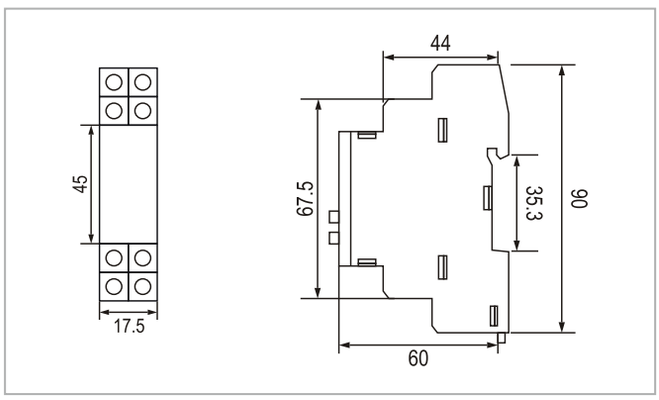
Certifications : CE

Technical specifications

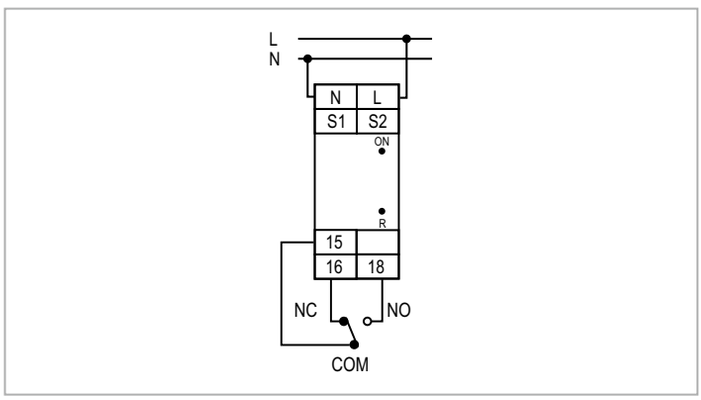
Display specifications	
Type	Analog
No. of LED	2
No. of knob	2
LED trip indication	Power ON and relay status
LED Indication chart	
Power on	Green LED ON
Tripped indication	Red LED ON
CBCT absent	Red LED blinking
Input specifications	
Monitored leakage current (In)	30mA, 100mA, 300mA, 500mA
Trip level limits	75% of In
Trip time delay	0, 2, 4, 6, 8, 10 sec (NA for 30mA range)
Reset time	Instantaneous (<400ms)
Response time	Variable time settings (0, 2, 4, 6, 8, 10 sec) for 100mA, 300mA & 500mA current setting (For 1x1n) & <30ms for 5xIn, For 0 sec trip setting for 100mA,300mA & 500mA trip time will be less than <150ms, For 30mA : - <30ms (For 5xIn) <150ms (For 1xIn)
Accuracy	Current : 5% of in time : 5% of set time
Test / Reset function	Provided through key
CBCT absent detection time	< 5 sec
Output specifications	
Output contacts	1 SPDT relay
Output rating	NO : 5A @ 250VAC, NC: 3A @ 250VAC, 5A @ 24V DC
Relay status	Healthy :- COM-NC Trip :- COM-NO
Auxiliary supply specifications	
Auxiliary supply	230VAC ± 15%
Power consumption	15VA Max
Hysterisis	8% of In
Frequency	50/60Hz
Rated impulse withstand voltage	4kV
Environmental specifications	
Degree of protection	IP50 for front plate, IP40 for housing, IP20 for terminals

Mechanical specifications	
Mounting	DIN Rail mount
Size	17.5mm
Torque	0,2...0,3N.m, 1,7...2,6lbf.in

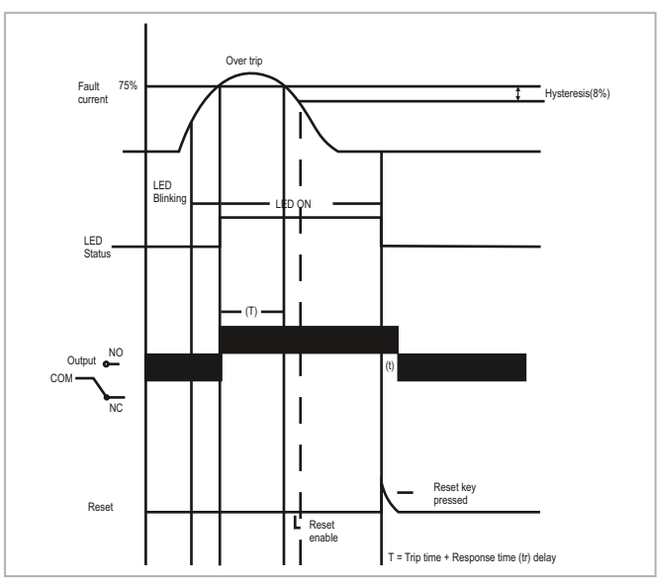
Dimensions (All are in mm)



Terminal Connection



Timing Diagram



Accessories

Product code	Inner diameter	Turns ratio
CBCT-35-1	35mm	1000:1
CBCT-70-1	70mm	1000:1
CBCT-120-1	120mm	1000:1
CBCT-210-1	210mm	1000:1
CBCT-310-1	310mm	1000:1

Ordering information

Product code	Supply voltage	Certification
600ELR-1-30/500mA-230V	230VAC ± 15%	–