

ELR-3E

EARTH LEAKAGE RELAY - MODULAR VERSION 3 MODULES

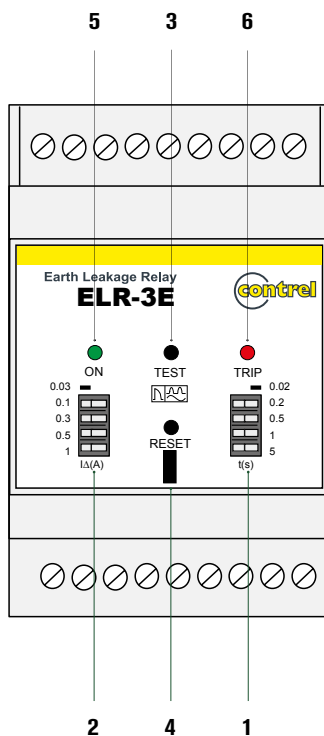


GENERAL CHARACTERISTICS

- Earth leakage relay type A
- External toroidal
- Green power LED indicator (ON)
- Red relay tripped LED indicator (TRIP)
- Front TEST and RESET buttons
- Manual resetting
- Modular DIN housing, 3 module, with transparent cover
- Degree of protection: IP20 terminals, IP40 on front with cover

ORDER CODE	RATED AUXILIARY SUPPLY VOLTAGE	OUTPUTS CONTACTS	WT [kg]
ELR-3E 48	24-48 VAC/DC	1	0,190
ELR-3E 415	110 VAC/DC-240-415 VAC	1	0,190
OPTIONS			
T	Tropicalisation		

ADJUSTMENTS	
Configurable tripping set-point (IΔn)	0,03A
	0,1A
	0,3A
	0,5A
	1A
Configurable tripping delay time (t)	0,02s
	0,2s
	0,5
	1s
	5s



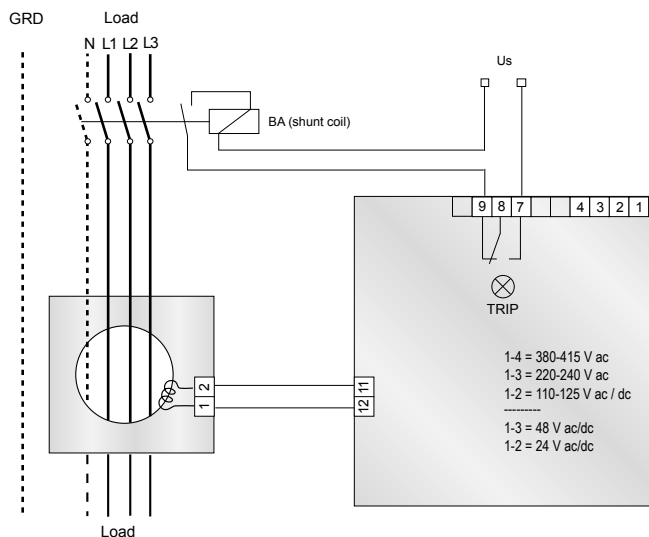
LEGENDA	
1	Tripping delay time adjustment
2	Fault current to earth adjustment
3	TEST key. Causes tripping of the relay.
4	RESET key. To reset the relay after tripping. For remote reset, simply shut off the auxiliary supply for about 1 second.
5	ON LED. Indicates the presence of auxiliary voltage.
6	TRIP LED. Lighting up indicates the cutting in of the TRIP relay due to exceeding the I Δ n set.

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TECHNICAL CHARACTERISTICS	ELR-3E
CONTROL CIRCUIT	
Toroidal transformer	External
Adjustments tripping set-point ($I\Delta$)	0,03 A o 0,1 A o 0,3 A o 0,5 A o 1 A
Adjustments tripping time (t)	0,02 s o 0,2 s o 0,5 s o 1 s
AUXILIARY SUPPLY	
Auxiliary voltage (Us)	24-48 VAC/DC 110 VAC/DC-240-415 VAC
Rated frequency	50-60 Hz
Maximum power consumption	3 VA
OUTPUT RELAYS	
Contact arrangement	1 changeover (trip)
Rated contact capacity Ith	5 A (240 VAC)
INDICATIONS	
Auxiliary voltage available (ON)	Green LED
Relay tripping (TRIP)	Red LED
INSULATION	
Insulation test	2.5kV for 1 minute
AMBIENT OPERATING CONDITIONS	
Operating temperature	-10÷60 °C
Storage temperature	-20÷80 °C
Relative humidity	≤90%
ENCLOSURE	
Version	3 modules DIN
Degree of protection	IP20 terminals IP40 with protective cover
CERTIFICATIONS AND COMPLIANCE	
Reference standards	IEC/EN 61010, IEC/EN 61000-6-2 IEC/EN 61000-6-3, IEC/TR 60755 CEI EN 60947-2 Annex M

WIRING CONNECTION



MECHANICAL DIMENSIONS

