

ELR-3F

EARTH LEAKAGE RELAY - MODULAR VERSION 3 MODULES

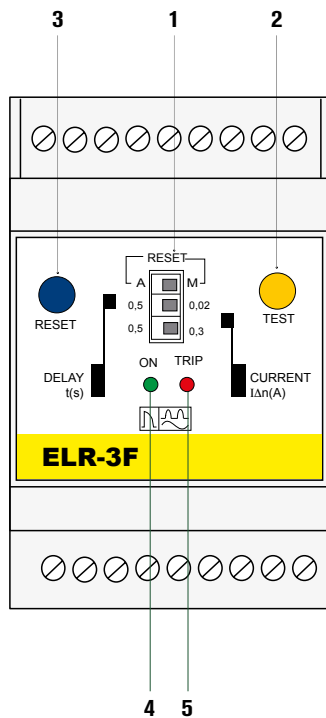


GENERAL CHARACTERISTICS

- Earth leakage relay type A
- External toroidal
- Green power LED indicator (ON)
- Red relay tripped LED indicator (TRIP)
- Front TEST and RESET buttons
- Configurable automatic or 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-3F 48	24-48 VAC/DC	1	0,175
ELR-3F 415	110 VAC/DC-240-415 VAC	1	0,175
OPTIONS			
T	Tropicalisation		

ADJUSTMENTS	
Configurable tripping set-point ($I_{\Delta n}$)	fixed 0,3A or 0,5A
Configurable tripping delay time (t)	fixed 0,02s or 0,5s



LEGENDA

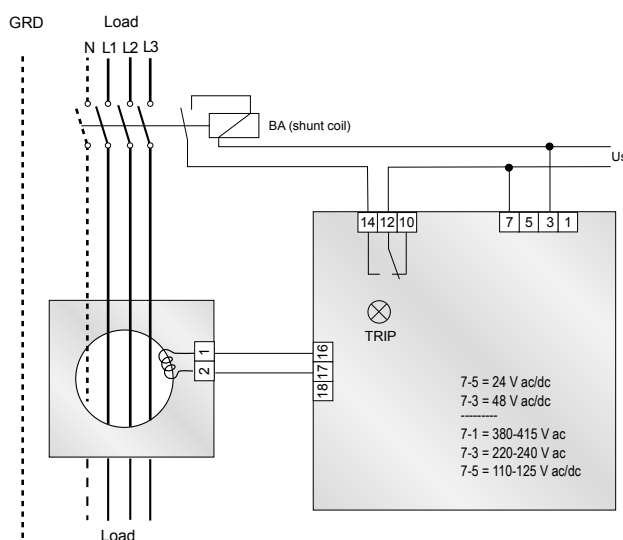
	Dip switches settings:
1	<p>1a - auto reset (A) - man reset (M) auto reset = automatic reset man reset = manual reset through RESET key on the front. For remote resetting, simply shut off the auxiliary supply for about 1 second</p> <p>1b - 0.5 - 0.02 tripping delay time selection Positioning the dip switch on 0.5 we will have a tripping delay upon exceeding the $I_{\Delta n}$ threshold of 0.5 sec; in the 0.02 position the delay will be 0.02sec</p> <p>1c - 0.5 - 0.3 selection of fault current to earth tripping threshold $I_{\Delta n}$. Positioning the dip switch on 0.5 we will have a tripping threshold $I_{\Delta n}$ of 0.5A; in position 0.3 the threshold will be 0.3A</p>
2	TEST key. Causes tripping of the relay.
3	RESET key. To reset the relay after tripping. For remote reset, simply shut off the auxiliary supply for about 1 second.
4	ON LED. Indicates the presence of auxiliary voltage.
5	TRIP LED. Lighting up indicates the cutting in of the TRIP relay due to exceeding the $I_{\Delta n}$ set.

ELR-3F

EARTH LEAKAGE RELAY - MODULAR VERSION 3 MODULES

TECHNICAL CHARACTERISTICS	ELR-3F	
CONTROL CIRCUIT		
Toroidal transformer	External	
Adjustments tripping set-point (I Δ)	0,3 A o 0,5 A	
Adjustments tripping time (t)	0,02 o 0,5 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 \rightarrow 60 °C	
Storage temperature	-20 \rightarrow 80 °C	
Relative humidity	\leq 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

