

ELR-3F

EARTH LEAKAGE RELAY - MODULAR VERSION 3 MODULES

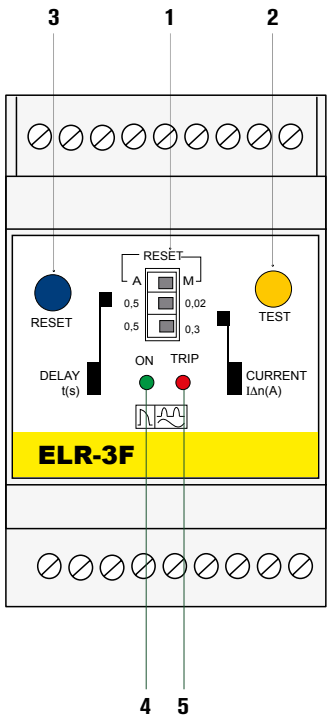


GENERAL CHARACTERISTICS

- 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 (IΔn)	fixed 0,3A or 0,5A
Configurable tripping delay time (t)	fixed 0,02s or 0,5s



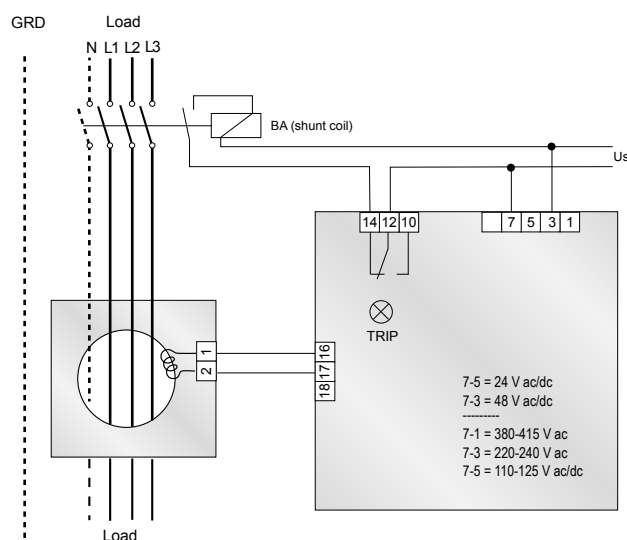
LEGENDA	
1	Dip switches settings: 1a - auto reset (A) - man reset (M) auto reset = automatic reset man reset = manual reset through RESET key on the front. For remote resetting, simply shut off the auxiliary supply for about 1 second 1b - 0.5 - 0.02 tripping delay time selection Positioning the dip switch on 0.5 we will have a tripping delay upon exceeding the IΔn threshold of 0.5 sec; in the 0.02 position the delay will be 0.02sec 1c - 0.5 - 0.3 selection of fault current to earth tripping threshold IΔn. Positioning the dip switch on 0.5 we will have a tripping threshold IΔn of 0.5A; in position 0.3 the threshold will be 0.3A
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 IΔn set.

ELR-3F

EARTH LEAKAGE RELAY - MODULAR VERSION 3 MODULES

TECHNICAL CHARACTERISTICS		ELR-3F
CONTROL CIRCUIT		
Toroidal transformer		External
Adjustments tripping set-point ($I\Delta$)		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÷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

