

Earth Leakage Relays WITH BUILT-IN Toroidal Transformer

MULTIRANGE RELAY

- Electronic relays with adjustable time delay and sensitivity.
- Suitable for direct pulse current.
- Immune to external disturbances.
- Sensitivity from 0,025 to 25A.
- Trip time delay from 0,02 to 5s.
- Modular size. DIN rail mounting.
- Protection front cover.

ELR-A



MULTIRANGE RELAY

- Electronic relays with adjustable time delay and sensitivity.
- Suitable for direct pulse current.
- Immune to external disturbances.
- Sensitivity from 0,025 to 25A.
- Trip time delay from 0,02 to 5s.
- Compact device. Suitable for motor control centers (MCC).

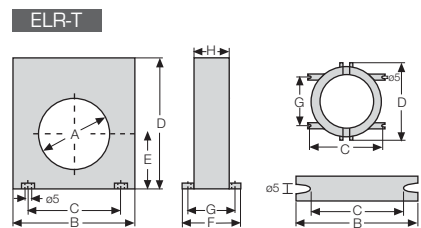
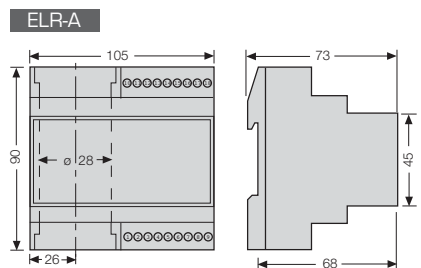
ELR-T



MODELS	ELR-A		ELR-T60		ELR-T110	
Sensitivity	Adjustable from 0,025 A to 25 A		Adjustable from 0,025A to 25 A			
Trip time delay	Adjustable from 0,02 s to 5 s		Adjustable from 0,02 s to 5 s			
Aux. voltage supply 50/60 Hz	24-48 Vdc, ac	110 Vdc, ac 230-400 Vac	24-48 Vdc, ac	110 Vdc, ac 230-400 Vac	24-48 Vdc, ac	110 Vdc, ac 230-400 Vac
Code	41017	41015	41107	41105	41102	41100

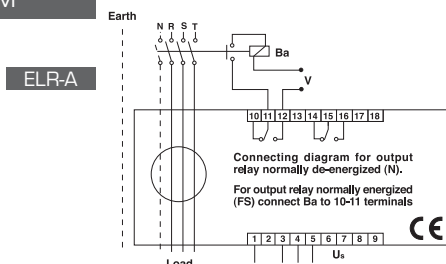
CHARACTERISTICS	
Toroidal transformer	ELR-A: Built-in Ø28 mm / ELR-T: Built-in Ø60 mm and Ø110 mm
Max. length between relay and transformer	-
Reset mode	Automatic, manual and remote (in manual mode disconnect the aux. supply during 1s)
Signalling LED's	2 LED's: ON + Trip
Output contacts mode	ELR-A: Selectable: normally de-energized or energized ELR-T: Normally de-energized
Output contacts	ELR-A: 2 change over NO-NC / ELR-T: 1 change over NO-NC
Switching power (resistive load)	5A - 250V
Maximum terminal section	2,5 mm ²
Maximum consumption	3 VA
Modular size	ELR-A: 6 modules x 17,5 mm = 105 mm / ELR-T: No
Frequency	50/60 Hz
Protection degree / weight	ELR-A: IP-20 / 0,4 kg / ELR-T: IP-20 / 0,4 y 0,6 kg
Storage / operation temperature	-10°C +60°C
Standards	IEC 41-1, IEC 255, VDE 0664, EN 50081-1, EN 50082-2

DIMENSIONS (mm)

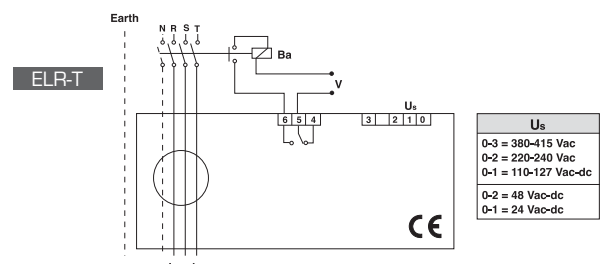


	A	B	C	D	E	F	G	H	K
ELR-T60	60	100	60	110	47	70	60	50	-
ELR-T110	110	150	110	160	70	70	60	50	-

WIRING DIAGRAM



U _s
5-1 = 380-415 Vac
5-3 = 220-240 Vac
5-4 = 110-127 Vac-dc
5-4 = 48 Vac-dc
5-3 = 24 Vac-dc



U _s
0-3 = 380-415 Vac
0-2 = 220-240 Vac
0-1 = 110-127 Vac-dc
0-2 = 48 Vac-dc
0-1 = 24 Vac-dc