



# Datasheet

## ELR-3C



- Separate current transformer
- Current transformers with 35 mm to 210 mm round conductors
- Range: 0.025 - 25 A / 0,02 - 5 seconds
- 3 modules

ELR-3C is usable in all kinds of applications where substantially reduced dimensions are necessary. The earth fault relay has a very wide range of adjustable current and delay areas. Furthermore, these adjustment make it possible to selectively change current or delay when there are several relays connected to the same line.

Article no.	E nr	Type	Auxiliary supply
604030	E38 884 46	ELR-3C	110-230-400 VAC/110VDC
604032	E38 884 45	ELR-3C	24-48 VDC

### Current transformers to the ELR-3C:

Article no.	E nr	Type	Round conductor
601030	E38 884 56	CT - 1/35	35 mm
601031	E38 884 57	CT - 1/60	60 mm
601032	E38 884 58	CT - 1/80	80 mm
601033	E38 884 59	CT - 1/110	110 mm
601034	E38 884 60	CT - 1/210	210 mm
601035		CTA-1/110	Split core 110 mm
601036		CTA-1/210	Split core 210 mm

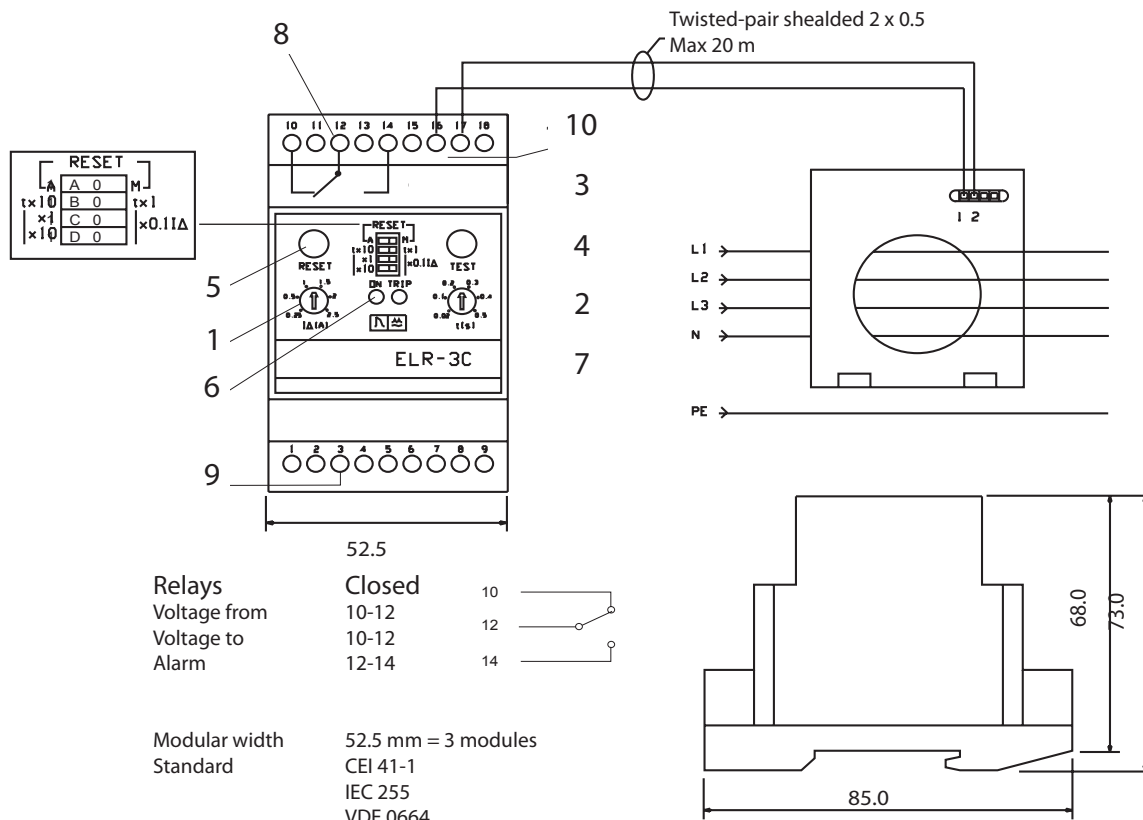
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# Earth current relay for AC-systems

## ELR-3C



### Description

- 1) Potentiometer for adjustable current value
- 2) Potentiometer for time relay (from 20 ms to 5 s)
- 3) Switches for setup
  - a) pos. 1 - automatic alarm reset  
pos. 0 - manual alarm reset
  - b) choice of time delay area  
pos. 1 - time of potentiometer 2 ... x 10  
pos. 0 - time of potentiometer 2 ... x 1
  - c) choice of alarm limit area  
C & D switches in pos. 0 = current value on pot. 1 ... x 0,1  
switch C in pos. 1, switch D in pos. 0 = current value on pot. 1 ... x 1
- 4) Test button
- 5) Manual reset button
- 6) Green signalling lamp for manouver voltage
- 7) Red signalling lamp for alarm display
- 8) Connection for output relays
- 9) Connection for manouver voltage
- 10) Connection for current transformer

### Technical data

- Auxiliary supply (1): cage clamp no. 7-1 = 380VAC  
+10% -15%
- Auxiliary supply (2): cage clamp no. 7-3 = 220VAC  
cage clamp no 7-5 = 110 VAC/DC  
+20% -15%
- Auxiliary supply (2): cage clamp no. 7-5 = 24VAC/DC  
+20% -15%
- Auxiliary supply (2): cage clamp no. 7-3 = 48VAC/DC  
+10% -20%
- Consumption: 3VA
- Alarm level: 0.025-25A
- Time delay: 0.02-5 seconds
- Classification: IP 20
- Operation temp: -10 to +60°C
- Current transformer: Megacon type CT-1 & CTA-1
- Frequency: 50-60 Hz
- Humidity: ≤ 90%

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