

Earth Leakage Relay

Leaders in Innovative Protection Systems, Bramco's el3 is compliant to the latest Australian standards. Utilising microprocessor technology el3 provides next generation EL protection to VVVF drives.

Earth Leakage Features:

- 16 bit microprocessor core.
- 50-60Hz. (VSD Mode off)
- 5-100Hz. (VSD Mode on)
- Failsafe/Non-Failsafe operation.
- Latch/No Latch operation.
- EL Toroid open monitoring.
- Adjustable Trip Current.
- Adjustable Trip Delay Time.
- Status Leds for -
 - Trip, Warning, Frequency
 - Power/Open circuit toroid.
- Local/External EL latch reset.
- May be used on limited/unlimited neutral systems with matching Bramco ELT3. (1000T)
- Separate control contacts are provided.
- Analog Output: 4-20mA, 2-10V

Specifications:

Power Supply:

24-48V AC(50-60Hz)/DC 2VA.
110-240V AC(50-60Hz)/DC 2VA.

Earth Leakage

Current: 30mA - 20A
Trip Delay Time: 50ms - 20s

Various Current and Time ranges available:
See ordering options below.

Relay Contacts: 5A 240VAC (General)
5A 30VDC (Resistive)
(100VA Max)

Specifications cont.:

Operating Temp: 0 - 60°C

Enclosure Dimensions: 55W x 75H x 110D.

Material: High impact resistant polycarbonate construction.

Mounting: Din Rail and 2 screw mounting.

Terminals: Cage screw terminals.

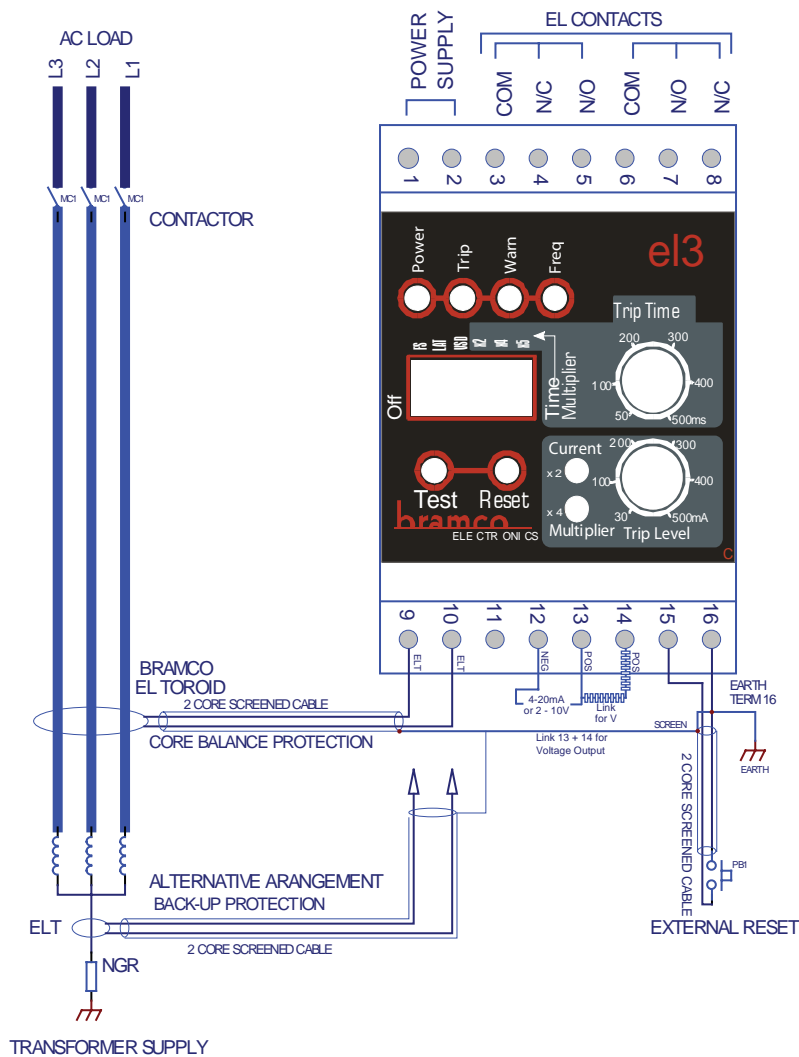
Weight: 150g.

Ordering Options:

| | | | |
|--------|-------------|----------|----------|
| A01312 | 110-240VAC | 30-500mA | 50-500mS |
| A01313 | 24-48VAC/DC | 30-500mA | 50-500mS |
| A01314 | 110-240VAC | 30mA-2A | 50-20S |
| A01315 | 24-48VAC/DC | 30mA-2A | 50-20S |
| A01316 | 110-240VAC | 0.3A-20A | 50-20S |
| A01317 | 24-48VAC/DC | 0.3A-20A | 50-20S |



Connection Diagram:



Bramco Contacts:

Head Office
 Bramco Electronics
 ABN 49 327 604 798

2 Callistemon Close
 Warabrook NSW 2304
 PO Box 241 Hunter Region MC
 NSW 2310 AUSTRALIA

Telephone +61 2 4014 4444
 Facsimile +61 2 4967 4100
 Email sales@bramco.com.au

Ordering Options:

| | |
|--------|----------------------|
| A01334 | Toroid (1000T) 40mm |
| A01335 | Toroid (1000T) 72mm |
| A01336 | Toroid (1000T) 130mm |
| A01337 | Toroid (1000T) 200mm |
| A01338 | Toroid (1000T) 300mm |

Compliance:

- AS/NZS2081.3 - 2002:**
- Electrical Equipment for Coal and Shale Mines.
 - Electrical Protection Devices.

AS/NZS2081 - 2011: (Pending)

