

bramco ELECTRONICS

Engage the future with the next generation in Earth Leakage Protection

Leaders in innovative protection systems, Bramco's Earth Leakage family is compliant to relevant statutory and industry standards (including AS2081-pt3). Compliance documents are available for our valued customers.

eI3 - Earth Leakage Relay

eI3 is an intelligent microprocessor based, versatile, earth fault protection module. It has been designed to detect earth current faults flowing in a power system and provide a timed tripping mechanism and excels on latest VVVF drive types.

Features:

- Flexible mounting via din Rail & two screw mounting.
- Variable VSD (8-200Hz) / Fixed (50-60Hz) frequency operation.
- Reset a latched trip, both locally and/or externally. (Local can be locked out).
- Dual isolated output tripping relay contacts, each with N/O and N/C contacts.
- Visual LED indication of power, open toroid, trip, warning and frequency.
- Instrumentation output, either current loop (4-20mA) or voltage (2-10V).

eI3



h3

engage the future

Key Advantages

Designed to meet the soon to be released new (revised) AS2081.

Compliant with AS2081: 2002.

Proven via independent industry testing to be far superior to competitor EL relays.

Extremely competitively priced.

Offering superior accuracy and consistency within 5%.

**Wide (adjustable) trip current and time:
Current: 30mA – 20A
Time: 50ms – 20secs**

fel3



fel3 - Earth Leakage Relay

fel3 is an intelligent microprocessor based earth fault protection module. Utilising latest microprocessor technology the fel3 provides next generation EL protection to the latest VVVF drives.

Features:

- Simple fascia Mounting.
- Compact design.
- 50-60Hz/2-200Hz operation.
- Reset a latched trip, both locally and/or externally. (local can be locked out)
- Visual LED indication of power, open toroid, trip, warning and frequency.
- Instrumentation output, either current loop (4-20mA) or voltage (2-10V)
- Separate control contacts are provided.

elf3 - Earth Leakage Relay

elf3 detects earth fault currents flowing in a power system and provides visual indication of earth leakage conditions. elf3 is specifically designed to protect systems supplying VVVF drives and provides extremely high immunity to converter noise.

Features:

- Simple fascia mounting.
- Backlit graphic LCD display, Red screen for tripped indication, yellow for warning and green for healthy.
- Advanced menu adjustable settings.
- Diagnostics provide all current conditions and settings.
- Backward compatible with the ELF2 when installed with new 1000:1 toroid.

elf3



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www.bramco.com.au**