



BAR4 Isolation Barrier

PRODUCT OVERVIEW

The BAR4 is m-tronix's next-generation 1100 V isolation barrier, engineered to provide safe galvanic isolation between high-voltage circuits and low-voltage detection or protection equipment.

It delivers **full compliance with relevant statutory and industry standards**, while introducing a **more compact form factor**, **simpler installation**, and **lower build and wiring costs** compared with earlier barrier designs.

Designed as the recommended isolation interface for the **GFL3 Earth Leakage Lockout Frozen Contactor Relay**, the BAR4 brings modernised performance into a smaller, installer-friendly package.

APPLICATION

The BAR4 is intended to isolate high voltage from connected electronic protection devices in mining and industrial systems, including:

- Earth leakage lockout systems
- Frozen contactor detection
- Control and protection relays requiring HV isolation
- Underground and surface distribution systems
- Conveyor, pump and motor starter circuits

Its compact DIN-rail housing makes it ideal for modern switchgear, OEM equipment, and retrofits where space efficiency is critical.

FEATURES

- Fully compliant with all relevant statutory and industry standards
- Compact, lightweight design — **smaller footprint than BAR3**
- **DIN-rail mount** for rapid, simplified installation

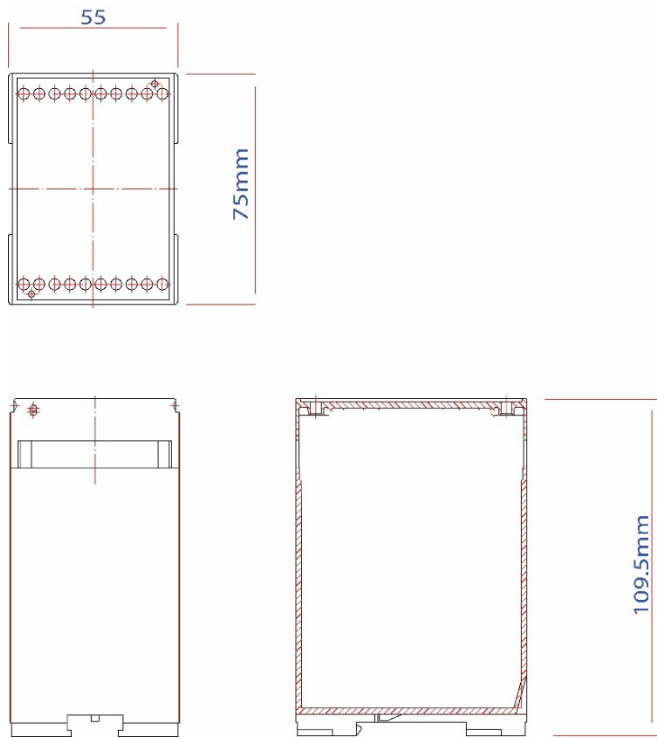
- Lower wiring effort and reduced build cost
- Three-phase high-voltage isolation
- Designed specifically for use with **ELLFC3** protection systems
- High dielectric strength for operator and equipment safety
- Proven mining-grade reliability

SPECIFICATIONS

Electrical

- 415–1100 V AC input
- 24 V AC output (maximum)
- DIN-rail mount

ENCLOSURE

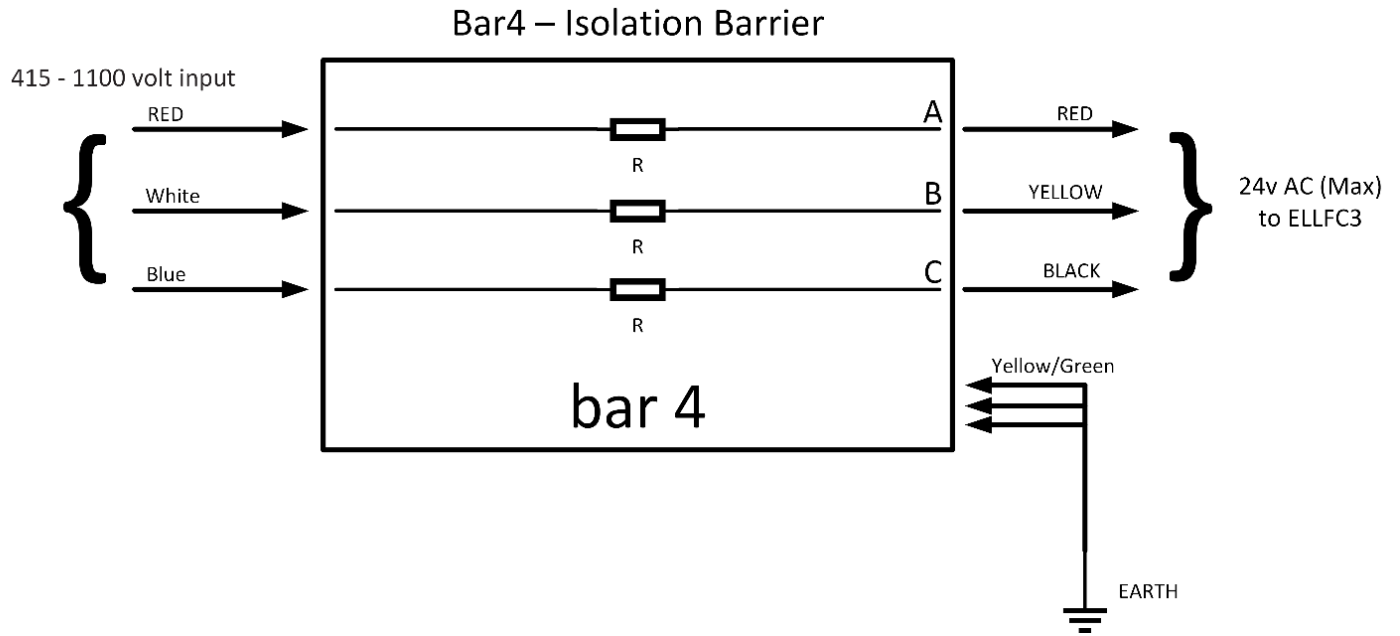


ORDERING INFORMATION

Part Number	Description
A01606	BAR4 Isolation Barrier — 415–1100 V

COMPLIANCE

- **AS 2081:2011** (relevant live-line indication requirements)
- For mining and industrial electrical protection systems
- Manufactured to applicable AS/NZS and IEC standards
- ANZEx 11.3014X



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