

Product Data Sheet



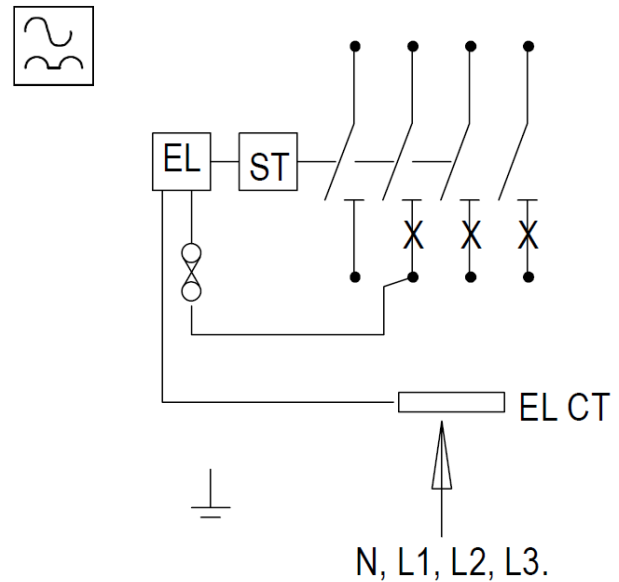
Product Code: MCEL160F	Issue No. B.1	Issue Date: 10 /12 /2018	Issue by: T. Tombs
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Description

160A 4P MCCB, Type A filtered earth leakage relay, voltage dependent, mounted in a mild steel enclosure.

General Characteristics

Standards.	BS EN60947-1 & 2. IEC 60755, IEC 62020, IEC 61543.
Current rating.	160A
Voltage rating.	230 / 400V ac. 50/60Hz.
Fault current rating	36kA.
Enclosure.	Mild steel to IP3X.
Dimensions	700mmH x 300mmW x 170mmD.
Finish	Matt grey to RAL 7035, Electrostatically applied.
IP Rating.	3X
No of poles.	4 switched.
Terminal capacity.	Phases – tunnel, max. 120mm.sq. 4mm allen key.
Terminal tightening torque.	6Nm.
Cable entry facility.	Plain plate top and bottom. Drill to suit on site.
Covers / Door.	Front bolt on cover.
Earth leakage relay settings.	Milli amp – 30, 100, 300, 500. Amps – 1, 3, 5, 10, 20, 30.
True RMS sensing.	Time – ms 0, 60, 150, 250, 500, 800.
Adjustable.	Sec – 1, 2.5, 5, 10. No intentional delay.
No time delay at 30mA	
E/L CT diameter.	70mm internal diameter.
Equipment type.	Fixed stationary
Weight.	12.62 kg
Switchgear Fitted	
Device	Rating
MC160FA	160A
Earth Leakage relay and CT	



Minimum sensitivity $I_{\Delta n} - 0.03 A$
 It is intended that this device is under the supervision of an instructed or skilled person.
 BS7671:2018 clause 531.3.4.2

MCCB: For full technical details of the mccb request MCCB data sheet.

Accessories. Padlock device: Part no. **MCPD** (padlock not supplied).

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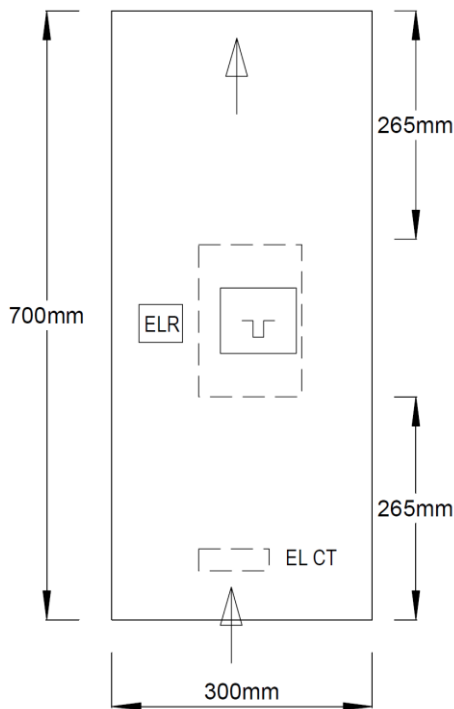
02 /12 /2018

T. Tombs

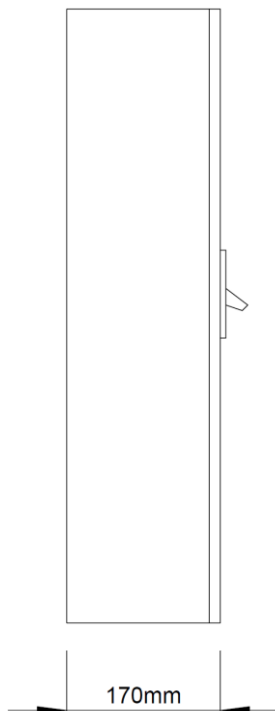
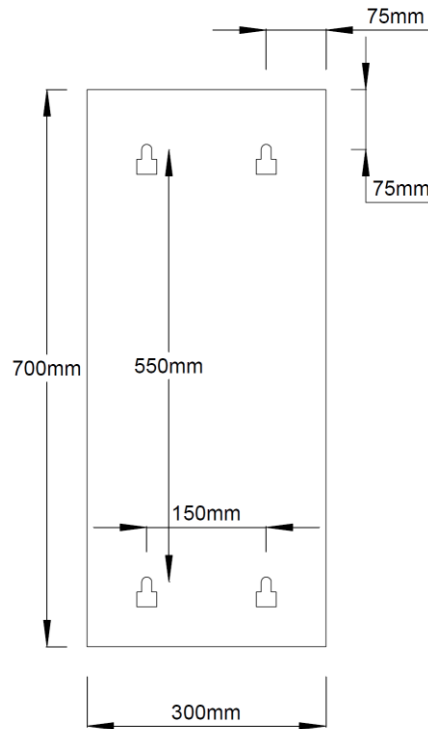
Description

160A 4P MCCB, Type A filtered earth leakage relay, voltage dependent, mounted in a mild steel enclosure.

Key Dimensions



Mounting hole positions



Additional information.

Usage

Intended for use by skilled persons or instructed persons.

Electrical

Earth terminal : Earth bolt M10.

Rated frequency: 50Hz.

Rated operational voltage: 400V

Rated insulation voltage: 750V.

Earthing system:

EMC environment: Environment type A.

Physical

Ambient operating temperature -5 to 40 °C

(Not exceeding average of 35 °C in any 24 hour period).

Maximum altitude 2000m.

Earth Leakage relay

Power on LED.

Earth leakage indication displayed in LED array (% leakage of setting).

Installation

Service conditions: Wiring of this product must comply with current IEE regulations. Units are intended for indoor use and dry conditions and **NOT** where high levels of humidity and temperature are experienced.

Note: IP rating of enclosures can be compromised if correct use of glands is not followed when installing unit.

B.1 – 2nd page description corrected. 03/2020