# MTL5000 SERIES ACCESSORIES

MTL5000 Series isolators mount quickly and easily onto standard DIN rail. A comprehensive range of accessories simplifies earthing and tagging arrangements.
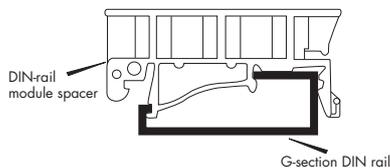
## MOUNTING

### THR2 DIN rail,1m length
DIN rail to EN50022; BS5584; DIN46277
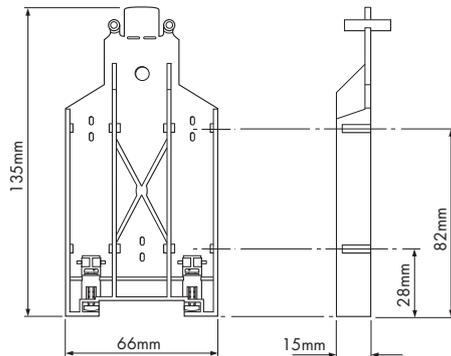
### MS010 DIN rail module spacer, 10mm, pack of 5
Grey spacer, one required between each MTL5995 and any adjacent module on a DIN rail, to provide 10mm air-circulation space between modules



DIN-rail module spacer
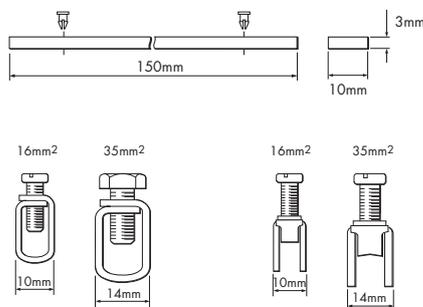
G-section DIN rail

## EARTH RAIL AND TAG STRIP

### IMB57 Insulating mounting block
One required at each end of a tagging strip/earth rail. Suitable for low-profile (7.5mm) and high-profile (15mm) symmetrical



135mm
82mm
28mm
66mm
15mm

### ERB57S Earth-rail bracket, straight
Nickel-plated; supplied with two push fasteners, one (14mm, 35mm$^2$) earth-rail clamp and one (10mm, 16mm$^2$) earth clamp.
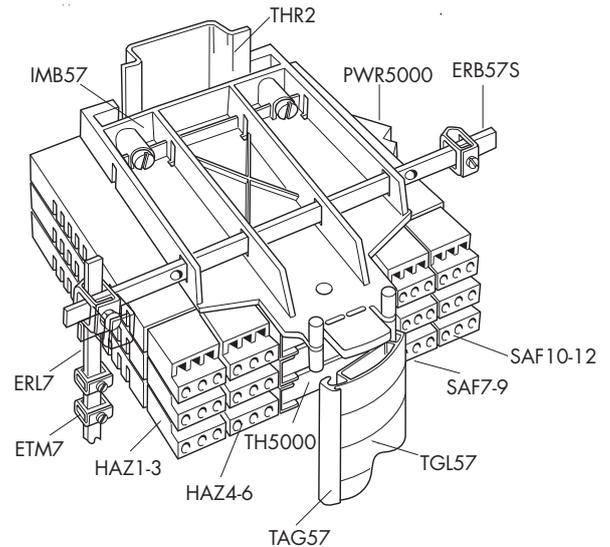


3mm
150mm
10mm

16mm$^2$   35mm$^2$   16mm$^2$   35mm$^2$

10mm   14mm   10mm   14mm

### ERL7 Earth rail, 1m length
Nickel-plated; may be cut to length.



3mm
10mm

## MOUNTING DETAILS



THR2
IMB57
PWR5000   ERB57S
SAF10-12
SAF7-9
ERL7
ETM7
HAZ1-3   TH5000   TGL57
HAZ4-6
TAG57

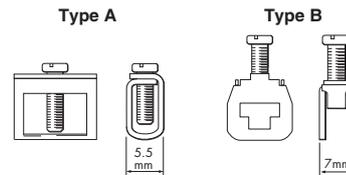### ETM7 Earth terminal, bag of 50
For terminating cable screens and 0V returns on the ERL7 earth rail. For cables ≤ 4mm$^2$. Exact dimension dependent on manufacturer.



Type A        Type B

5.5 mm        7mm

### TAG57 Tagging strip, 1m length
Cut to size. Supplied with reversible tagging strip label suitable for either MTL5000 or MTL7000 Series module spacing.
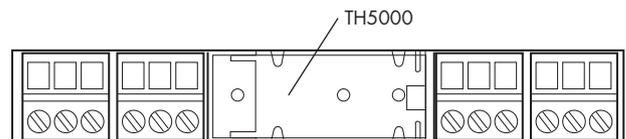


31mm

### TGL57 Tagging strip labels, set of 10 x 0.5m
Spares replacement, for use with TAG57 tagging strip. Labels are reversible - one side for MTL5000, the other for MTL7000.

## INDIVIDUAL ISOLATOR IDENTIFICATION

### TH5000 tag holders
Each isolatormay be fitted with a tag holder, as shown below. Order TH5000, pack of 20.



TH5000

## CONNECTORS

Each MTL5000 unit is supplied with signal and power connectors, as applicable.
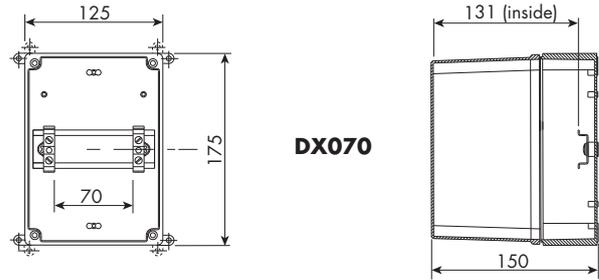
Spares replacement connectors are available separately; see ordering information.

## See also
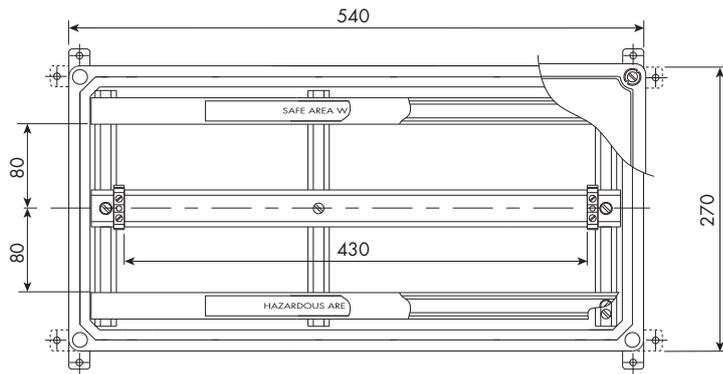## 'MTL5000 Series powerbus kits'
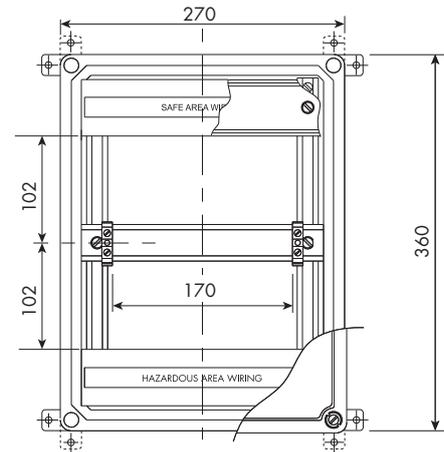
# MTL5000 SERIES ENCLOSURES
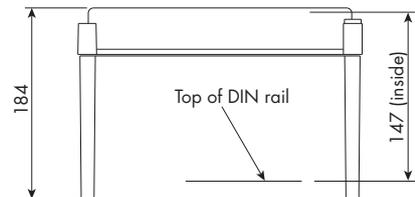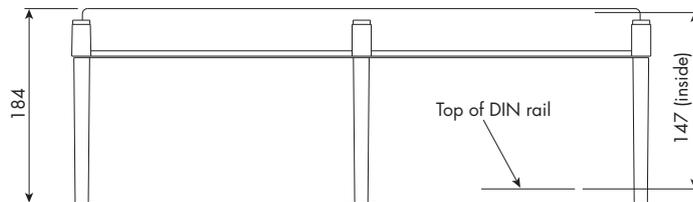
## DIMENSIONS (mm) AND MOUNTING

125

175

70

**DX070**

131 (inside)

150

540

80

80

430

270

**DX430**

184

147 (inside)

Top of DIN rail

270

102

102

170

360

**DX170**

184

147 (inside)

Top of DIN rail

## SPECIFICATION

### Construction
Glass reinforced polycarbonate base - DX070
Glass reinforced polyester base - DX170, DX430
Transparent polycarbonate lid

### Protection
Dust-tight and water-jet proof to IEC529:IP65

### Lid fixing
Captive fixing screws

### Weight (excluding barriers/isolators) kg
DX070      0.8
DX170      2.6
DX430      4.1

### Items provided
DIN rail - fitted
ETL7000 Earth terminals (2 x) - fitted
"Take care IS" front adhesive label
Cable trunking (except DX070)
**Note: Barriers or isolators are not included.**

### Mounting
Wall fixing lugs provided. For further details refer to INM5000.

### Tagging and earth rail
Accommodates MTL5000 Series accessories.

### Permitted location
• Safe (non-hazardous) area

**Note:** N. America/Canada - Enclosures are rated NEMA 4X so can be used in Class 1, Division 2 (gases) location, but check with local requirements and ensure all cable entries also conform. Additional warning label will be required on or near the enclosure, see installation details. Not suitable for Class II or III, Division 2 hazardous locations.

**Approximate capacities** (on DIN rail between earth terminals)

|  | Number of `MTL5000 isolators | |
|---|---|---|
| **DX070** | 4 | (2)* |
| **DX170** | 10 | (8)* |
| **DX430** | 26 | (24)* |

*\* Use these figures when IMB57 mounting blocks for tagging/earth are included.*

### Ambient temperature limits
Dependent on units fitted. See instruction manual INM5000.