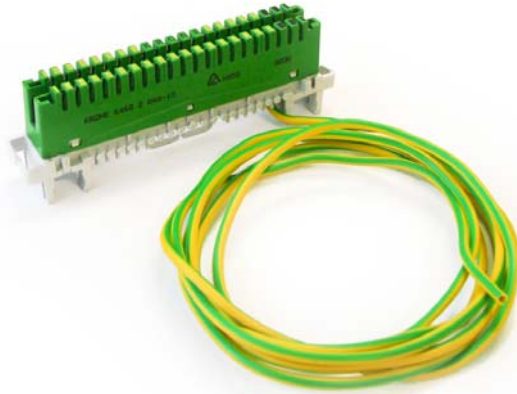


TrueNet®

Earth Module

Issue 5



The Red Earth Module is used as part of the Telecommunications Reference Conductor (TRC) system to provide a low noise earth specifically for signalling and other functional purposes if the normal CES is too noisy for the intended applications. This module comes with 2m of violet earth wire.

The Green/Yellow Earth Module is used for the equi-potential bonding of a CES or TRC to the earthing system of the electrical installation. This module comes with 2m of green/yellow earth wire.

Features:

- For the connection of up to 34 wires
- Complete with internal earth bar and 2m of earth wire
- Earth wire is factory terminated to the internal earth bar
- Black printing on top to indicate the absence of IDC contacts, ie unusable wire termination slots
- Suitable for Profil and Backmount frames

Specifications

Mechanical:

Working temperature range:	-20°C to +80°C
Environment:	Indoors, in dry closed rooms
Insulation diameter:	0.70-1.60mm
Copper conductor diameter:	0.40-0.80mm
Multistrand Conductor:	7/0.2-7/0.32mm
Number of equal diameter solid conductors per slot:	2 max (up to 0.65mm each)
Number of equal diameter multistrand conductors per slot:	1 max.
Flammability rating of plastic housing:	UL 94 V0
Contact material:	high strength spring copper alloy
Contact plating:	silver plated
Earth Lead:	2.5mm ²

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TrueNet®

Earth Module

Electrical:

Insulation resistance: $\geq 5 \times 10^4 \text{M}\Omega$

Dielectric strength:

 Adjacent contacts $\geq 2000 \text{VAC}$

 Opposite contacts $\geq 1800 \text{VAC}$

Current rating of LSA-PLUS® contact: = Current carrying capacity
..... of terminated conductor

Contact resistance: $\leq 1 \text{m}\Omega$ typical

..... $\leq 5 \text{m}\Omega$ guaranteed

Number of re-terminations: ≥ 200

Coupling capacitance between wires: $\leq 1 \text{pF}$

Ordering Information

Description	Quantity	Colour	Product No.
Earth Module, Red	Bag of 1	Red	6468 2 047-10
Earth Module, Green/Yellow	Bag of 1	Green	6468 2 048-10

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