

# TrueNet®

## Profil® Instrumentation Disconnect Module

Issue 3



Disconnection module for terminating large diameter wires

### Features:

- Disconnection contact feature
- Pairs numbered 1 – 0 horizontally in blue print for 6468 5 049-10 module
- Pairs numbered 01 – 10 vertically in blue print for 6468 5 049-20 module
- For mounting on Profil or backmount frames, or 35mm Din rail (using adaptors)

### Specifications

#### Mechanical:

Working temperature range:..... -20°C to +80°C  
Environment: ..... Indoors  
Insulation diameter: ..... 1.65-1.90mm  
Copper conductor diameter: ..... 0.65-0.90mm  
Multistrand Conductor:..... 7/0.2-7/0.32mm  
Number of equal diameter solid conductors per slot:..... 1 max  
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

#### Electrical:

Insulation resistance: .....  $\geq 5 \times 10^4 M\Omega$   
Dielectric strength:  
    Adjacent contacts: .....  $\geq 2000VAC$   
    Opposite contacts: .....  $\geq 1800VAC$   
Current rating of LSA-PLUS® contact: ..... = Current carrying capacity  
..... of terminated conductor

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Contact resistance: ..... ≤1mΩ typical  
..... ≤2.5mΩ guaranteed  
Contact spring force for disconnecting contacts (normally open): ..... approx: 3N  
Total contact resistance: ..... ≤10mΩ  
Number of re-terminations: ..... ≥200  
Coupling capacitance between wires: ..... ≤1pF

### Ordering Information

Description	Quantity	Colour	Product No.
Instrumentation Disconnection Module, Profil	Box of 10	White	6468 5 049-10
Instrumentation Disconnection Module, Profil, Vertical	Box of 10	White	6468 5 049-20

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