

HighBand® 20 Switching Module

Issue 1



Specifically developed LSA-PLUS® insulation displacement disconnection cross connects for very high bit rate data transmission over unshielded twisted pair copper cables in all telecom broadband networks.

These products far exceed the current 100MHz Category 5e transmission requirements of TIA/EIA 568-B and ISO/IEC DIS 11801 with a large performance reserve for future higher transmission rates (greater than 5dB headroom).

Features:

- The contacts are silver plated and made from special spring copper alloy
- The module shells are moulded from ductile PBT plastic featuring very high chemical resistance
- All modules are mountable on standard ADC KRONE Profil® mounting frames and backmount frames
- The modules are terminated with the standard ADC KRONE termination tool 6089 2 003-00 or 6417 2 055-01
- Product is sold as a set of 10
- A range of accessories is available for single and multi-pair patching, labeling, numbering and disconnecting

Specifications

Mechanical:

Environment for use: Complied to IEC352-4
Operating temperature range: - 20°C to + 80°C
Maximum relative humidity: ≤93% non-condensing
Wire range for solid and stranded copper conductors 0.4-0.65 (26-22 AWG)*

* A maximum of 2 equal, solid conductors only, of up to 0.5 conductor diameter can be terminated per slot

Only 1 conductor of stranded wires per slot can be terminated.

If any conductors > 0.5 have been terminated, reversal to smaller conductors is no longer possible.

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Wire insulation diameter range (PE, PVC) 0.7–1.4mm
 Number of wire terminations: typically ≥200
 Wire insertion force (0.5, conductor dia): typically 6N
 Wire pull out force, radial (0.5, conductor dia): typically ≥5N
 Wire pull out force, axial (0.5, conductor dia): typically ≥35N
 Number of patching cycles, Modules: typically ≥750
 Patch plugs: typically ≥200

Electrical:

Transmission and reliability: exceeds Cat 5e TIA/EIA 568-B
 Change of contact interface resistance after reliability testing
 to EIA568A and ISO/IEC 11801 per through connection.
 i.e 2 insulation displacement and 1 disconnection contact joints: typically <5mΩ
 Voltage/current rating at 25°C ambient: ≤150VAC at 2.5A max.
 Dielectric strength: ≥1.5kVAC
 Surge voltage strength (1.2/50 µsec wave shape): ≥2.5kV
 Insulation resistance ≥5x10⁴ MΩ at 500 VDC
 Safety: UL 1863
 Flammability rating of plastic housing: UL 94 V-0

RoHS and WEEE compliant

Ordering Information

Description	Quantity	Colour	Product No.
HighBand 20 Switching Module	Box of 10	White	6468 5 081-00

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