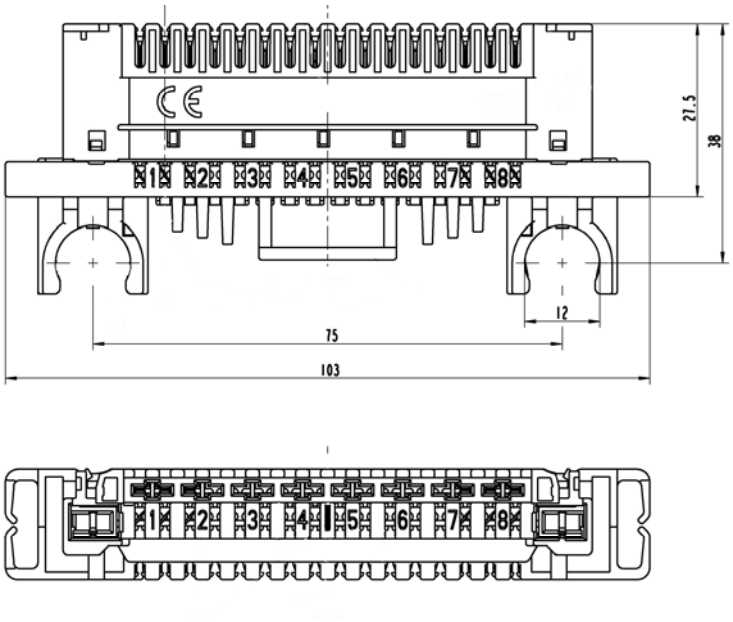
TrueNet®

NT Termination Module

Issue 1



LSA-PLUS® NT Termination Module (IDC orientation)

Today's ever-changing network deployments frequently require wires to be re-terminated, relocated or rewired. That rewiring can quickly degrade the quality of wire terminations. ADC KRONE has developed products like the LSA-PLUS® NT block to maintain superior connectivity through hundreds of re-terminations and deliver the best electrical performance in the industry. The LSA-PLUS NT block is a high–density solution that utilizes the silver plated, world renowned LSA-PLUS contact principle. Its gastight contacts ensure a reliable and long lasting connection.

System side contacts and the cross connections on the LSA-PLUS NT block are situated perpendicular to one another, increasing pair density while decreasing the chance of accidental tampering of system side terminations. Both test access and cross–connect contacts are accessible from the front, and the block can be easily released to access system side contacts for new wiring or rewiring.

The LSA-PLUS NT block's unique perpendicular configuration of the system and cross-connect sides creates additional space. Its vertical mounting pitch of 17.5 mm results in a vertical space savings of 21% over LSA-PLUS Series 2 solutions.

SPEC SHEET

TrueNet®

NT Termination Module

Features:

- Utilizes proven reliability of the LSA-PLUS® 45° silver plated contacts
- Unique perpendicular configuration facilitates quick and reliable installations
- Vertical mounting pitch of 17.5 mm results in 21% space savings over Series 2 blocks
- System side contacts situated at a right angle on the bottom of the block protect cable wiring and prevent accidental tampering during cross–connect work
- Clear labeling system eliminates wiring mistakes
- Built in "look-both-ways" test port
- Designed for use with ADC KRONE ADC KRONE profile rod mount brackets; other versions are available for use with back mount frames.
- Various identification and marking possibilities: marking caps used to mark individual pairs, identify special lines or protect a given line from being mistakenly switched
- Switchover adapters allow interrupt free switchover to a new system, active equipment or connection of new cables
- One-pair "look-both-ways" test cord with banana plugs allows for independent testing of incoming and outgoing signals; no need for wire removal
- LSA PLUS insertion tool manages all wire terminations; no need for additional tools
- Wall and rack mountable

Applications:

- Well suited for applications requiring a bandwidth greater than POTS
- Offers superior high-speed connections for voice and data in backbone cabling
- Ideal for next generation broadband networks that need to support voice, video and data transmission (IPTV, ADSL2+, VDSL2, etc)

Specifications

Mechanical

Wire range for solid copper conductors
(single wire per contact): ..... 0.4 mm to 0.8 mm (26 to 20 AWG)
Wire range for stranded tinned copper conductors
(single wire per contact): ..... 7 x 0.12 mm to 7 x 0.32 mm (36 to 28 AWG)
Two wires per contact (same gauge): ..... 0.4 mm to 0.65 mm (26 to 22 AWG)
Wire insulation diameter range (PE, PVC): .....0.7 mm to 1.6 mm (0.02" to 0.06")
Number of wire terminations: ..... ≥ 50
Number of disconnect port plug-in cycles: ..... ≥ 750

Electrical

NEXT (average worst case performance): ..... 39 dB @ 100 MHz:
Insulation resistance: ..... ≥ 50 GΩ
Contact resistance: ..... ≤ 1 mΩ (typical)
Electrical strength / impulse strength: .....2 kV / 3.6 kV (8/20 µs)
Operation voltage for basic insulation (B/S): .....120 V TNV
Transient overvoltage for B/S insulation: ..... 1.5 kV
Current carrying capacity: ..... 5 A (50 Hz, 1 s)
Impulse current (with installed protection): ..... 5 kA (8/20 µs)

ENVIRONMENTAL AND SAFETY

Safety Compliance: ..... UL 1863
Flammability rating of plastic housing: .....UL 94 V-0
Storage temperature range: .....-40° to 90° C (-40° to 194° F)
Operating temperature range: .....-20° to 80° C (-4° to 176° F)

Materials

Plastics: .....PBT
Contact plating: .....Silver (Ag)

Ordering Information

Description	Quantity	Colour	Product No.
Disconnect Module	1 (Order in multiples of 10)	White upper shell	7014 1 501-00
Accessories:			
NT dummy plug	1 (Order in multiples of 100)	Black	7014 3 049-00
NT marking cap	1 (Order in multiples of 100)	Red	6196 3 042-00
NT disconnect plug	1 (Order in multiples of 100)	Red	7014 2 007-00
NT 8-pair hinged label holder	1		7014 2 032-00
NT changeover adapter	1 (Order in multiples of 10)		7014 1 044-00
NT to Series 2 one-pair adapter	1		7014 1 014-00
Mounting Aid	1		7073 2 007-01

Other NT termination blocks and accessories are available upon request.
Please contact ADC KRONE Technical Assistance Center.

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