# KRONE LSA-PLUS® PROFIL Series 2 Disconnection Modules

## Application

KRONE LSA-PROFIL® Series 2 is the modular system for cable connection and termination in telephone and data communication networks. It is suitable for indoor and outdoor use in

- main distribution frames (MDF)
- data and PABX distribution (BDF/IDF)
- cross-connection cabinets (CCC)
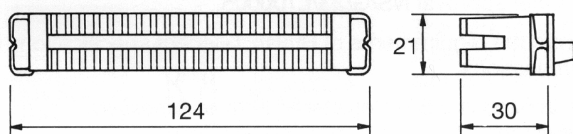- internal and external distribution point (DP).

KRONE LSA-PROFIL® Series 2 supports all common voice and data communication services such as

- analogue and digital  (PCM30, ISDN) telephone services
- Ethernet, Token Ring
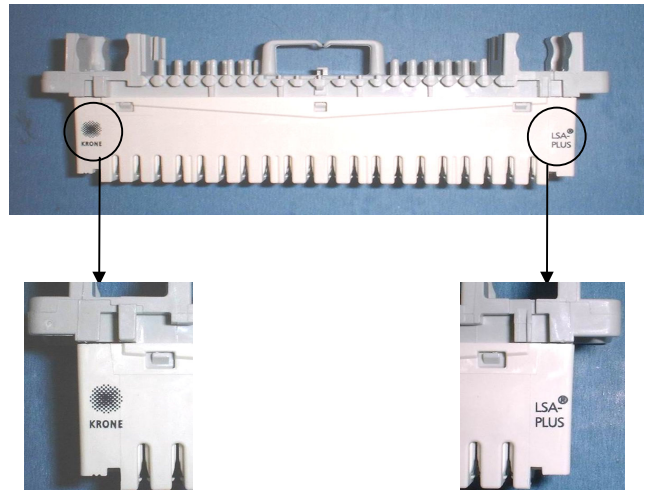- video and audio signals

KRONE LSA-PROFIL® Series 2 Disconnection Modules are typically used on the Subscriber or Network cabling side of distributors, where isolation of the line for testing purposes might be required.

## Features and Functions

- Meets and exceeds Category 5 Performance Specifications
- Compatible with ATM transmission speeds of 155 Mbps
- Connection contacts provide permanent connection between the cable and jumper side
- Center port provides additional contact  point for parallel connection of test cords or installation of overvoltage protection magazine
- Complete patching and cross-connect options provide high versatility for easy changes and testing
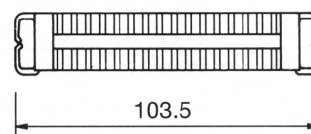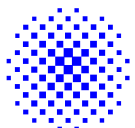- 8-Pair and 10-Pair sizes



*NEW: Brand-Marking for easy identification*

KRONE Modules will always have the *KRONE Logo* on the left side, and show the *LSA-PLUS®* brand name on the right side of the module.

*Disconnection Contact*





Dimension 10-Pair  Module



Dimension 8-Pair  Module

# Specifications & Ordering Information

## General Technical Data

| | |
|---|---|
| Operating temperature: | -20° - +80°C / - 4°- +176°F |
| Max. relative humidity: | ≤ 93%, non-condensing |

## Materials

| | |
|---|---|
| Plastic Parts: | PBT |
| Flammability: | conforms to UL 94 V-0 |
| Contact blade: | special brass, 0.5μm silver-plated |
| in contact range: | ≥ 0.5μm |

## Mechanical Data

| | |
|---|---|
| IDC contact positioning: | 45° angle across wire axis |
| Solid Wires: | 0.40 - 0.80mm/ AWG 26 - 21 |
| for connections with 2 wires | 0.4 - 0.65mm/ AWG 26 – 22 |
| Stranded wires: | 7 x 0.12-0.32mm/ AWG 28 – 20 |
| Wire insulation diameter | 0.70 - 1.60 mm (PVC & PE) |
| No. of equal wire per contact slot | max. 2 |
| No. of re-terminations: | ≥ 200 |
| No. of patching cycles: | ≥ 1000 |

## Electrical Data

| | |
|---|---|
| Insulation resistance: | ≥ 5 x 10$^4$ MΩ |
| Dielectric strength: | 2 kV$_{RMS}$ |
| Surge voltage strength: | 3.6 kV (wave 1.2/50μsec) |
| Surge current strength: | 10 kA (wave 8/20μsec) |
| Contact resistance at IDC point:, | |
| typical value: | 1 mΩ |
| guaranteed value: | ≤ 2.5 mΩ |
| Contact resistance | |
| incl. disconnection contact: | ≤10 mΩ |

## Transmission Data

| | |
|---|---|
| Insertion Loss @ 100MHz: | ≤ 0.2dB (Cat.5: ≤ 0.4dB required) |
| Near-end Crosstalk @ 100MHz: | ≤ 42dB jumpered ≤ 47.8dB patched (Cat.5: ≤ 40dB required) |

## Standards Compliance

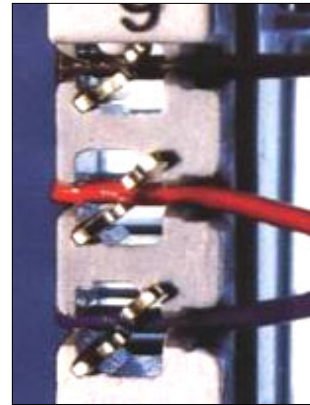| | |
|---|---|
| Transmission & Reliability: | exceed ISO/IEC 11801 and TIA/EIA-568-A |
| Performance | |
| in tropical climate: | 40/92 DIN 50015 |
| in corrosive environments: | corrosive & salt laden air, DIN 40046 |
| in vibrative environments: | comply to BS 2011, part 2 |

## Type Approvals

TOT, CAT, TelecomAsia, OFTEL, DBP Telekom, PLDT, PERUMTEL, Telekom Malaysia and others

## Order Information:

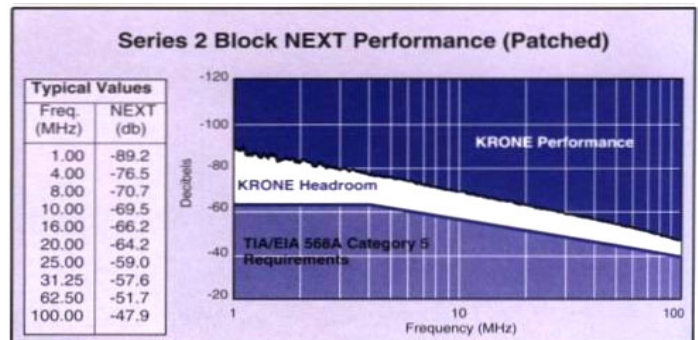| Description | Part No. |
|---|---|
| LSA-PROFIL Disconnection Module 2/10 | 6089 1 121-02 |
| LSA-PROFIL Disconnection Module 2/8 | 6036 1 005-00 |

### *The KRONE Difference:*



The principle of the KRONE *LSA-PLUS*® contact with the 45$^O$ layout:

- Gas-tight, self cleaning contact
- Fast, simple installation
- Constant contact reliability for 15 years or more
- World-wide use in telecommunication and data Networks

### *Performance:*



Series 2 Block NEXT Performance (Patched)

| Typical Values | |
|---|---|
| Freq. (MHz) | NEXT (db) |
| 1.00 | -89.2 |
| 4.00 | -76.5 |
| 8.00 | -70.7 |
| 10.00 | -69.5 |
| 16.00 | -66.2 |
| 20.00 | -64.2 |
| 25.00 | -59.0 |
| 31.25 | -57.6 |
| 62.50 | -51.7 |
| 100.00 | -47.9 |

### *Authorized Distributor:*

KRONE