Expert Knowledge

10.0

LSA-PLUS® Insertion Tool with Sensor

Overview

KRONE

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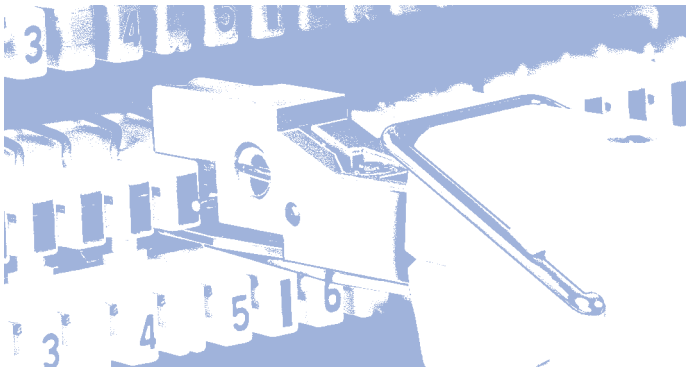


The LSA-PLUS Insertion Tool S is the central component for the connection of wires on the KRONE LSA-PLUS / LSA-PROFIL modules and in applications throughout entire network topologies.
From the main distribution frame right up to the subscriber socket, only one single tool is needed.
This chapter describes the function of the insertion tool and its accessories.

Contents of this chapter

LSA-PLUS® Insertion Tool with Sensor

Description / technical specifications

- **What is the scissors inhibitor used for?**
  In cases where the trimming of the residual wire end is not desired, for example, because the neighbouring contact is to be bridged, the inhibitor clip is turned to a horizontal position. Now, the wire can be fed into the corresponding contact row and then connected using the LSA-PLUS Insertion Tool S, without trimming the excess length. This little trick means that you can create circuits as desired at all times without having to search for a long time for a suitable bridge.

- **What is the hook used for?**
  The hook can be used to remove connected wires from the contact or 1-pair ComProtect plugs from the module. The hook is also designed for removing arrestors from the over-voltage protection magazine.

- **What is the blade used for?**
  This blade is used, in Series 2, to release modules from the back-mount frame; in Series 7, the hook is used to disconnect the jumper element from the cable-connection element.

- **... and the cams at the end?**
  The cam at the end of the tool are used to remove over-voltage protection magazines from the KRONECTION Box A2, A6 and A10 as well from the LSA-PLUS connection module 8/10.

- **... and the hole?**
  This is where the tool can be attached to the mounting aid. A handy hook for hanging up the tool when it is not immediately being used.

- **Can the scissors be replaced?**
  No! The hardened, nickel-plated scissors have such a long service life (refer to technical specifications) that it is not necessary to replace them. A used tool cannot be made "as new" simply by replacing the scissors.

- **Can 0.9 conductor diameters or stranded wires also be connected?**
  Depending on the LSA-PLUS series, the tool can be used to connect all conductors with a nominal diameter of 0.35mm to 0.9mm conductors; the latter being common in the field of signalling systems; stranded-wire cables used in recording studios as well as solid conductors; thin telecommunication wires as well as thick, insulated Type 1 data cables.

- **Two wires in one contact (double connection)?**
  Most LSA-PLUS series can be connected with 2 wires (same type, same diameter) for each contact slot. If you wish to connect a second wire, then the sensor must be deactivated by moving the clip to the OFF position.

Technical specifications

The LSA-PLUS Insertion Tool with sensor is suitable for connecting wires with
- a conductor diameter of 0.35mm ... 0.9mm
- an insulation diameter of 0.65mm ... 2.6mm.

(Depending on the LSA-PLUS series used, please refer to the table titled "Technical specifications for the LSA-PLUS series")

Connection force:	depending on the type of wire 50N ...120N

Service life	0.4mm:	200,000 connections
	0.6mm:	100,000 connections
	0.8mm:	50,000 connections

- Materials:

Casing	PBT
Scissors, hook and blade:	hardened steel, nickel-plated

LSA-PLUS® Insertion Tool with Sensor

Description / technical specifications

LSA-PLUS® Insertion Tool with Sensor

Your key to unparalleled contact security: the LSA-PLUS Insertion Tool with Sensor

The LSA-PLUS Insertion Tool with Sensor is seen by experts to be the key to
- unparalleled contact security, and
- fast and clean work.

Where can you use the LSA-PLUS Insertion Tool with Sensor?
Everywhere where you use components from one of the many LSA-PLUS series.

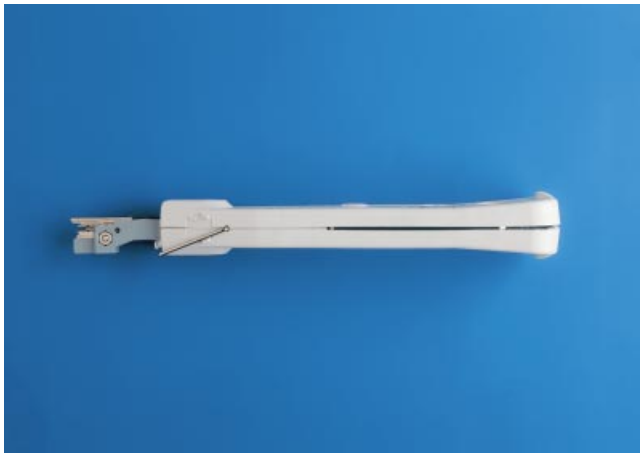
In other words, in:
- all types of telecommunications equipment
- data cabling systems in buildings
- patch panels
- connection sockets
- floor distributors
- main distributors
- cross connection cabinets
- terminating distributors
- alarm and fire alarm systems
- machine control systems.

A suitable LSA-PLUS series is available for all applications where a large number of single wires must be distributed or connected.
Your advantage: no insulation removal, no use of screws, no soldering - extremely fast working on-site with integrated contact safety.

- **LSA: no soldering, no use of screws, no insulation removal!**
  All LSA-PLUS series can be wired using the same tool: the KRONE LSA-PLUS Insertion Tool S.

- **How does the LSA-PLUS Insertion Tool with Sensor work?**
  The LSA-PLUS Insertion Tool S permits the gas-tight connection and trimming of the wire in just one single action. No stripping of wires or use of screws is required - a simple pressing of the tool is sufficient. A correctly terminated contact is indicated by an audible click.

- **What is the sensor used for?**
  The sensor detects whether the wire has been pressed far enough into the contact. The cutting mechanism, which trims the excess wire ends, is not activated until the sensor detects that the contact is correct.



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