



LSA-PLUS® Series 2

Connection and Disconnection Modules

A technically and commercially superior quick connection system for all state-of-the-art networks. Contacts that ensure the highest degree of reliability even under the most adverse environmental and climatic conditions. A completely reliable, gas-tight connection between the contact and conductor. That's LSA-PLUS® technology.

The LSA-PLUS System family consists of a comprehensive and diverse range of high density, standard and special modules, mounting hardware, test and patch cords, accessories and protection devices. Voice, high-speed data transmission via ISDN, ADSL, VDSL, cable TV, Internet access, mobile networks – working in conjunction with CommScope you will be able to confidently face the issues created by vast amounts of network traffic. In addition, CommScope quality ensures total end-customer satisfaction. CommScope copper connectivity solutions are designed to deliver fast, safe and reliable transmission.

Features and Benefits

- Connection modules available in eight and ten-pair configurations with parallel test access or overvoltage protection contact
- Eight- and ten-pair modules with disconnection points for opening the line, testing in both directions or insertion of graded protection elements
- Based on genuine LSA-PLUS® connection technology
- LSA-PLUS modules mount on back mount frames
- LSA PROFIL modules mount on profile rods (8-pair modules: 75 or 95mm spacing between rods; 10-pair modules: 95mm spacing between rods) or on back mount frames
- Suitable for use in all xDSL and ADSL2+ circuits
- Robust long-term environmental stability allows both indoor and outdoor installation
- Supports all LSA-PLUS Series 2 accessories
 - Overvoltage protection
 - Labels
 - Test and connection cords

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Specifications

Electrical Values

Insulation resistance: >50 GΩ @ 500 V

Contact resistance: 1 mΩ

Safety Classification (EN 60950)

Transient voltage: 2.5k V

Operation voltage for basic insulation: 210VDC TNV

Pollution severity: II

Current-carrying capacity: 2 A

Impulse current: 5 kA (8/2μs)

Conductor Diameter/Outer Diameter Of Connectable Wires

Single solid wire per contact: 0.35mm/0.68mm to 0.9mm/1.5mm
AWG 26 to AWG 20

Stranded wires (7 tin-coated copper strands): 0.12mm to 0.32mm/up to 2.1mm
(depending on insulation type)
AWG 28 to AWG 20

Overall diameter of connectable wires (solid insulation) 0.68mm to 1.6mm

Properties

Connection frequency: 200 times

Plug-in cycles: 250

Temperature

Storage (EN 60721-3-1): 1K5 (-40° C to +90° C)/1Z1/1B1/1C1/1S1/1M2

Transport (EN 60721-3-2): 2K2 (-40° C to +90° C)/2B1/2C1/2S1/2M2

Operation (EN 60721-3-3): 3K5 (-5° C to +60° C)/3Z1/3B1/3C1/3S1/3M2

Relative humidity: 95%; no water condensation, no ice

Materials

Plastics: PBT; resistant against aggressive chemicals (PVC-softener)

Plastics flammability class: UL94V-0

Halogen free according to: RoHS, European Directive 2002/96/EG

Contact: Special brass, silver-plated



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