

LSA-PLUS HD180

Connection, Disconnection and Switching Module

Description

Switching equipment and distribution systems are being increasingly moved out of central exchanges and re-located closer to customers. The ongoing development of existing networks, expanded portfolios of network suppliers and the implementation of IP services require additional space in the network structures in the “last mile” to customers. Several suppliers need to accommodate their equipment and the associated cabling in a limited space. Here, the topmost priority is to achieve the highest degree of reliability with simultaneous circuit density.

The LSA-PLUS HD180 connection, disconnection and switching PROFIL modules meet the demand for high-density while delivering high-quality connectivity through LSA-PLUS connection technology. The available space is increased by up to 100% over conventional connection systems when using LSA-PLUS HD180 modules.

Applications

- Suitable for use in all communication networks (POTS, DSL and IP networks)
- VDSL2-capable
- Used in outdoor enclosures with restricted space for cable termination

Features and Benefits

- Insulation displacement contacts on front and rear
- Test tap for permanent connection between incoming and outgoing copper cables
- Surge voltage protection available. The active equipment is protected against voltage surges by surge voltage protection magazines. This results in significant cost savings and high service availability
- Highest contact reliability using silver-plated IDC contacts
- Optimum circuit density with 13.5 mm mounting grid dimension increases the available space by up to 100%
- Optional wire routing elements allow wires to be uniquely assigned, thereby preventing incorrect circuit connections
- Uses standard LSA-PLUS insertion tool
- Application for PROFIL rods with $\varnothing 12$ mm and 95 mm distance

Product Specifications

ELECTRICAL PROPERTIES

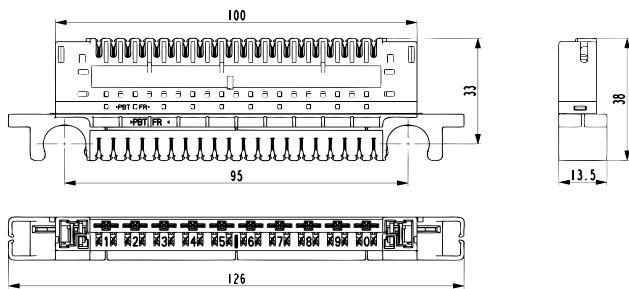
Insulation resistance:	$\geq 5 \times 10^4 \text{ M}\Omega$ at 500 V
Alternating voltage strength:	2 kV _{rms}
Impulse resistance voltage (1.2/50 μ s):	3.6 kV
Contact resistance:	Insulation displacement contact:<2.5 m Ω

Conductor diameter, equipment wire:	0.35 mm to 0.63 mm
Surge voltage protection:	Can be inserted from the front
Flammability (module) acc. to UL94:	VO

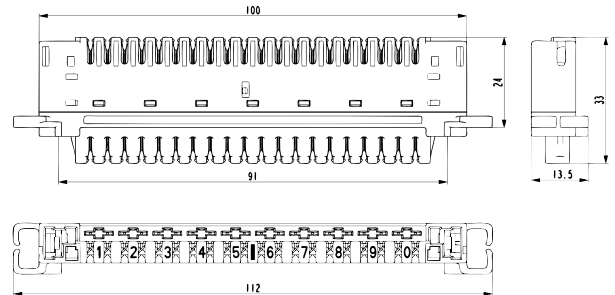
MECHANICAL PROPERTIES

Total module height:	33 mm
Vertical grid dimension:	13.5 mm
Material:	PBT
Contact surface:	Silver-plated
Standards:	ETS 300 019-1-1 Class 1.1 (weather-protected, partially temperature-controlled storage) IEC 60721 Part 3-3 usage (weather-protected, stationary) IEC 60352-4, solderless non-accessible insulation displacement connections

Disconnection/Switching module



Connection module



Disconnection modules

- 10-pair modules with disconnection contacts for opening or isolating the line (normally closed contact)
- Housing color: cream white
- For click-fixing to profile rod system with 12 mm diameter and 95 mm rod spacing



Connection modules

- 10-pair modules with connection contacts (only parallel rapping possible) for clicking into mounting brackets with predefined positioning to achieve maximum circuit density
- Housing color: grey



Switching modules

- 10-pair modules with switching contacts (normally open contacts) to be used in conjunction with overvoltage magazines
- Housing color: yellow
- For click-fixing to profile rod system with 12 mm diameter and 95 mm rod spacing



Ordering Information

Product description	Catalogue number
10-pair connection module, for mounting brackets	LSA-7014 2 210-00
10-pair disconnection module, for mounting brackets	LSA-7014 2 265-00
10-pair disconnection module, for PROFIL mounting	LSA-7014 2 250-00
10-pair switching module, for PROFIL mounting	LSA-7014 2 280-00
Hinged label frame with labeling plate	LSA-7014 2 058-00
Mounting bracket for 100 pairs, for connection modules only	LSA-7014 3 325-10
Mounting bracket for 200 pairs, for connection modules only	LSA-7014 3 340-20
PROFIL rod for PROFIL mounting, for disconnection modules only	6577 2 812-0x
Cable head 100 pairs with (10) 10-pair connection modules (kit)	LSA-7014 1 206-10
Cable head 200 pairs with (20) 10-pair connection modules (kit)	LSA-7014 1 200-11
Surge voltage protection magazine, 180 v, 10 pairs with 3-pole arresters and fail-safe	PRO-7019 2 220-00
Surge voltage protection magazine, 330 v, 10 pairs with 3-pole arresters w/o fail-safe	PRO-7019 2 220-20
Mounting aid, for PROFIL modules only	LSA-7014 3 252-00
Adapter cable 7052, 2-pole, 0.13 m	6089 2 141-00
Test cord 2-pole, 0.2 m	7014 2 003-00
Test cord 4-pole, 0.2 m, for disconnection modules only	7014 2 004-00
Disconnection plug 1 pair, red, for disconnection modules only	LSA-7014 3 221-00
Dummy plug, black	LSA-7014 3 249-00
Marking cap, red	6196 3 042-00
LSA-PLUS insertion tool	6417 2 055-01

For more technical options and order quantity information, please consult the product ordering guides or your local sales representative.

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