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System Survey

KRONE LSA-PLUS® stands for a technically and economically superior quick connection system for all modern communication networks.

- L** (no solder)
- S** (no use of screw)
- A** (no wire stripping)
-
- P** (cost-effective)
- L** (easy to use)
- U** (universal application)
- S** (secure and fast connection system)

The LSA-PLUS® System, with the LSA-PLUS® contact as its smallest functional element, is used for connecting, disconnecting, switching and earthing connections in telecommunications and data applications.

The patented LSA-PLUS® contact as a special feature of the system ensures the highest degree of contact safety under the most severe conditions even after years of use. A durable, gas tight connection is formed between contact and wire - resistant to corrosion and mechanical stress.

These connections are made with a single action, with an audible indication, using the LSA-PLUS® insertion tool.

The KRONE LSA-PLUS® contacts always function according to the same basic principle irrespective of the type of module used.

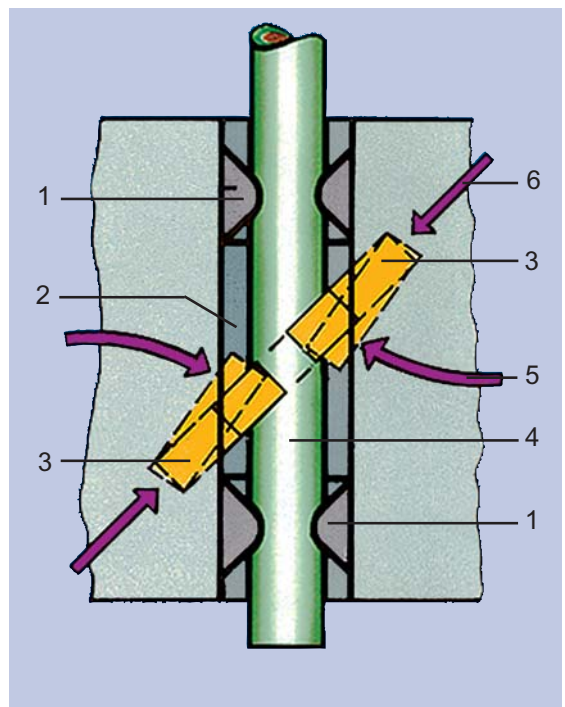
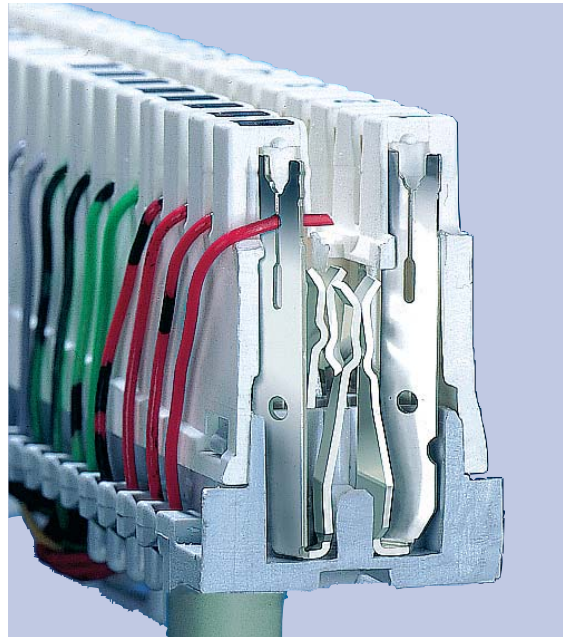
Using the LSA-PLUS® insertion tool S, the plastic insulated copper or jumper wires (4) are pressed into the contact slot (2) between the contact jaws (3), these being arranged at a 45° angle to the axis of the wire. The contact jaws open in axial direction while at the same time twisting, cutting through the insulation of the wires and notching the conductor at obliquely opposite points.

The twisting of the contacts together with constant torsion and return force pressures (5, 6) of the contact jaws create two gas tight contact surfaces.

The plastic clamping ribs (1) which are moulded into the guide slot of the modules provide additional protection of the contact points against shock and tensile forces. The insulation and conductor are firmly gripped by these plastic clamping ribs preventing any movement of the connection in the contact area.

A correct connection is signalled by an audible "click" of the LSA-PLUS® insertion tool.

In the course of the same action, the LSA-PLUS insertion tool trims the wire to the correct length after connection.

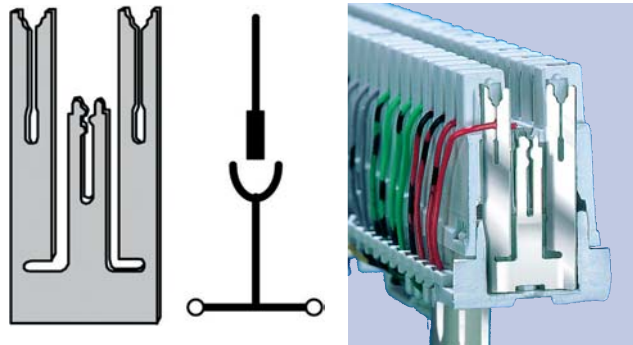


Key to the diagram:
 1 Plastic clamping ribs
 2 Contact slot
 3 Contact jaws
 4 Wire
 5 Torsion forces on the contact
 6 Return forces on the contact

System Survey

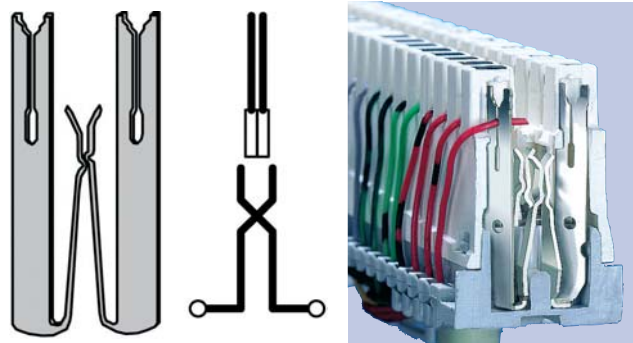
The connection module function (system colour: grey)

The wires are connected to the opposite contacts at the system/cable and at the jumper sides. Separate access contacts are located at the centre of each pair; e.g. for monitoring, measuring and testing work, for switching using switching adapters or for connecting overvoltage protection magazines (3-point protection with overvoltage arresters or semiconductor components).



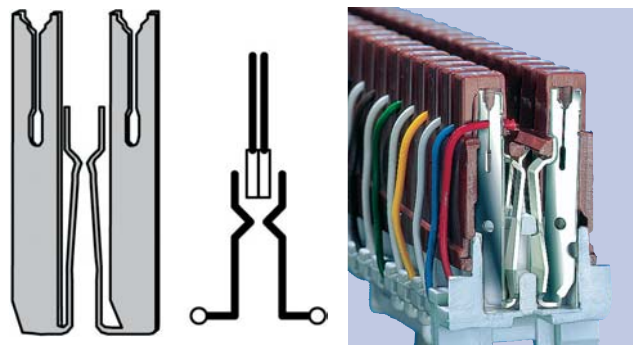
The disconnection module function (system colour: white)

Compared to the connection modules, the LSA-PLUS disconnection modules feature additional functions, because the circuit can be disconnected using plugs or cords when required. This feature provides a wide range of possibilities, for example the implementation of an "intelligent" protection systems, measuring and testing in two directions, connecting via cords or "looping in" of functional elements (e.g. attenuation plugs).



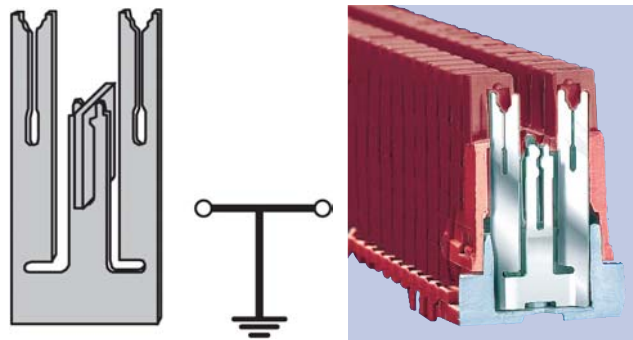
The switching module function (system colour: brown)

The individual contacts and hence the circuits of the LSA-PLUS switching module are disconnected when idle. By inserting plugs or cords, the circuits can be connected when necessary. It is also possible to install 5-point or graded protection.



The earth module function (system colour: red)

Depending on the version, the LSA-PLUS earth modules (connection contacts) permit the routing of up to 36 cable wires to one common electrical potential. Via a permanently connected, flexible earth line, the backmount frame or an earth terminal is connected to earth potential.



LSA-PLUS-Insertion Tool S

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?

Wherever you use components from one of the many LSA-PLUS series.

- 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 onsite 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 action 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.



LSA-PLUS-Insertion Tool S

What is the scissors inhibitor used for?

In case the trimming of the residual wire end is not desired, because the neighbouring contact is for example 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 arresters from the overvoltage protection magazine.

What is the blade used for?

In Series 2, this blade is used to release modules from the backmount 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 cams at the end of the tool are used to remove overvoltage protection magazines from the KRONNECTION Box A2, A6 and A10 as well as 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?

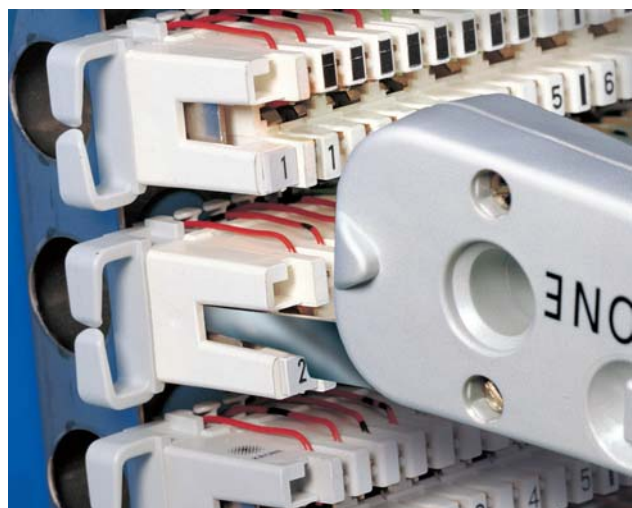
No! The hardened, nickel-plated scissors have such a long service life (refer to technical specifications) that it is not necessary to replace them. A used tool cannot be made "as new" simply by replacing the scissors.

Can one connect 0.9 mm conductor diameters or stranded wires ?

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; 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)?

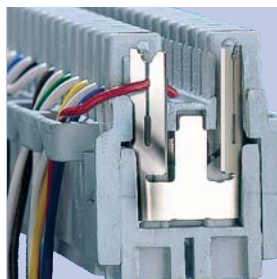
Most LSA-PLUS series can be connected with 2 wires (same type, same diameter) for each contact slot. If you wish to connect a second wire, the sensor must be deactivated by moving the clip to the OFF position.



Series Overview

LSA-PLUS® Series 1

Connection modules for 10 or 20 pairs, fixed with screws onto mounting plates. Fixing dimensions according to DIN 47 614.

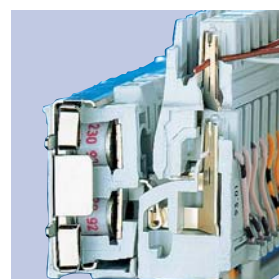
**LSA-PLUS® Series 7**

Modular System for the future.

For voice and data communication designed for the high efforts of

* connecting paper insulated cables used in cross connections and distribution networks,

* jumpering, measuring and testing with connected overvoltage protection

**LSA-PLUS® Series 2**

Connection, disconnection, switching modules for 8 or 10 pairs and earth modules for clicking onto backmount frames (standard program). Version with connection pins on the backside for mounting onto PCBs. LSA PROFILE® for clicking onto profile rod systems.

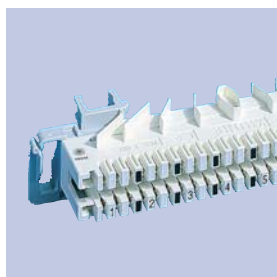
**LSA-PLUS® Series 8**

Connection module for 10 pairs with overvoltage protection and fixing dimensions according to DIN 47 614.

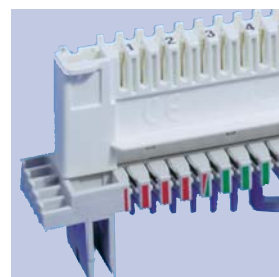
**LSA-PROFIL® Series 2/8abs**

Disconnection module for 8 shielded pairs. Shield tracers contacted to s-contacts are automatically connected with the earth.

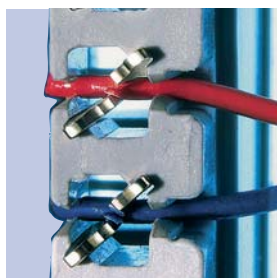
For clicking onto profile rod systems.

**LSA-PLUS®-NT**

Connection, disconnection modules for 8 or 10 pairs. For clicking on to back mount frames or as LSA-PROFILE® modules for clicking onto profile rod systems.

**LSA-PLUS® Series 4**

Connection modules for PCBs.

**TERMINATOR®**

Connection or disconnection modules for 3 or 10 wires for clicking onto mounting rails according to DIN 50022, DIN 50035 and DIN 50045.



Technical Data

Contact versions:

Depending on the applications, different kinds of KRONE LSA-PLUS contacts® are available.

**Series 1, 2, 2/8abs and 8
Mini Box 8/2 and 8/10**

KRONE LSA-PLUS contacts® for plastic insulated copper conductors with solid or stranded wires.

a) solid wires

wire diameter	0.40...0.80 mm ^{a, b)}
overall diameter	0.70...1.60 mm
AWG 26...20	

b) stranded wires

wire diameter	7 x 0.12...0.32 mm
overall diameter	0.70...1.60 mm
AWG 28...20	

Series 4

KRONE LSA-PLUS contacts®
for plastic insulated copper wires

wire diameter	0.40...0.65 mm
overall diameter	0.70...1.40 mm
AWG 26...22	

Series 7

KRONE LSA-PLUS contacts®
for plastic insulated or paper insulated copper wires

wire diameter	0.40...0.80 mm ^{a)}
overall diameter	0.70...1.80 mm (BR 7/06)
overall diameter	0.70...2.40 mm (BR 7/08)
AWG 26...20	

Baureihe NT

KRONE LSA-PLUS contacts® for plastic insulated copper conductors with solid or stranded wires.

a) solid wires

wire diameter	0.40...0.80 mm ^{a, b)}
overall diameter	0.70...1.60 mm
AWG 26...20	

b) stranded wires

wire diameter	7 x 0.12...0.32 mm
overall diameter	0.70...1.60 mm
AWG 28...20	

TERMINATOR®**Modul 1,5 mm²**

KRONE LSA-PLUS contacts®
for plastic insulated copper wires

wire cross section	0.50...1.50 mm²
wire diameter	0.80...1.40 mm
overall diameter	1.50...3.30 mm
AWG 20...16	

Modul 2,5 mm²

KRONE LSA-PLUS contacts®
for plastic insulated copper wires

wire cross section	1.00...2.50 mm²
wire diameter	1.20...1.80 mm
overall diameter	2.20...3.50 mm
AWG 18...14	

Wires per contact

(with the same diameter):

**Series 1, 2, 7 and 8
Mini-distributor 8/2 and 8/10**

max. 2^{c)}

Series 4

max. 2^{d)}

TERMINATOR

1

a) After connecting ≥ 0.65 mm wires in the LSA-contacts once, it is not possible to connect ≤ 0.65 mm wires again

b) Other diameters on request

c) 2 wires only for conductor wires with diameters from 0.4 up to 0.65 mm

d) 2 wires only for conductor wires with a diameter of 0.5 mm

Technical Data for LSA-PLUS® Series 1, 2, 2/8abs, 8 and Mini Distributors 8/2 and 8/10

General technical data:

Environment:
Dry or damp rooms without condensation.

Temperature range:	–40...+90°C,
Storage	–40...+194°F
Operation	–20...+80°C,
	– 4...+176°F

Mechanical values:

LSA-PLUS Module, Series 2, with KRONE LSA-PLUS contacts for plastic insulated copper wires with solid or stranded copper wires for insulation displacement connection according to IEC 352-4, part 4 and DIN 41 611-6-G-El.-Cl.

Conductor diameter

- | | | |
|----|--|---|
| a) | solid wire:
for connections
with one wire | 0.40...0.80* mm,
AWG 26...20 |
| | for connecting
two wires of the
same diameter
and same type | 0.40...0.65 mm,
AWG 26...22 |
| b) | stranded wire
for connection
with one wire | 7 x 0.12...0.32 mm CuSn,
AWG 28...20 |

Other stranded wires on request

Overall diameter (insulating PVC or PE)	untwisted 0.70...1.60 mm
--	--------------------------

Number of conductors
per contact: max. 2

Repeatability of the wire connecting:

- | | |
|--------------------------------------|-------|
| * with stranded wires or solid wires | |
| 0.40...0.65 mm: | 200 x |
| * with solid wires 0.80 mm: | 50 x |

Materials:

Plastic parts:	PBT,
Flammability:	acc. to UL 94 V-0
LSA contact:	special brass,
	silver-plated 0.5 µm
Contact area	≥5 µm

Electrical values:

(after 4-day storage in a constant climate environment at +40°C (+104°F) and 93% rel. humidity)

Insulation resistance	$\geq 5 \times 10^4 \text{ M}\Omega$
Dielectric strength	2 kVeff
Impulse strength (waveform 1.2/50 μs)	3.6 kV

Current carrying capacity of the LSA-PLUS contact: corresponds to the acceptable current load of the connected wire

Permitted current impulse capacity of the * connection module	10 kA (wire diameter ≤0.6 mm = 5 kA)
* disconnection module	5 kA
* switching module (waveform 8/20 μs)	5 kA

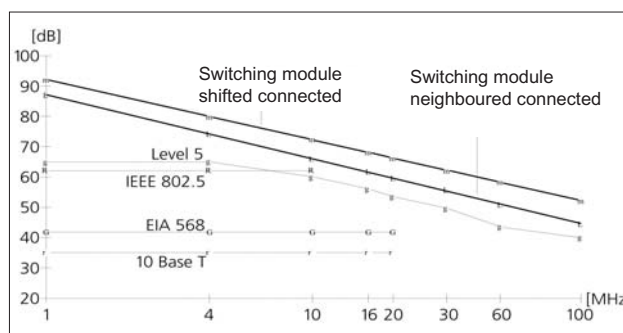
Contact resistance:

Typical	1 mΩ
Guaranteed	≤2.5 mΩ

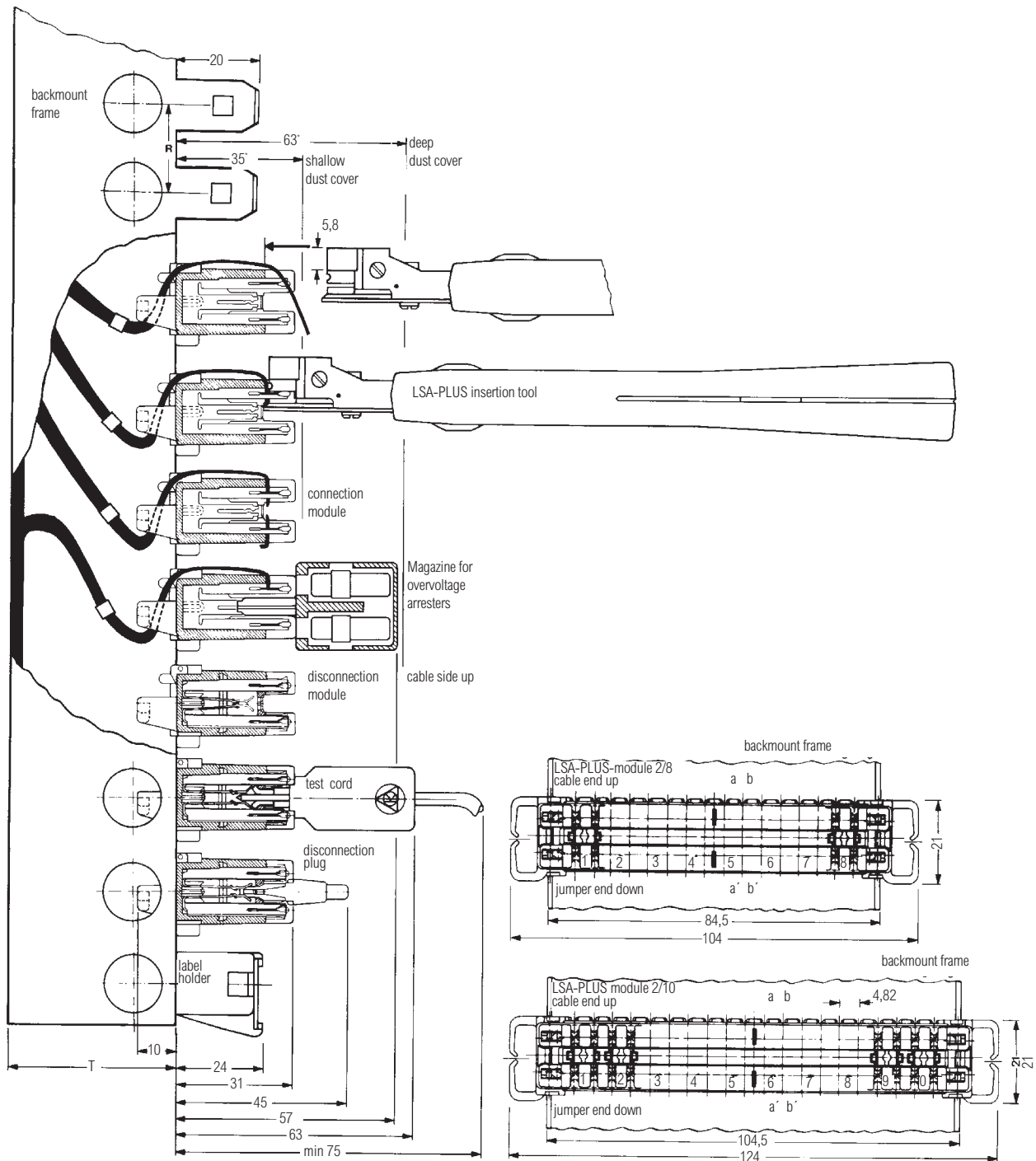
Total resistance including disconnection contact $\leq 10 \text{ m}\Omega$

* Connecting wires ≤ 0.65 mm after connecting once wires ≥ 0.65 mm in the LSA-contacts is not possible

Communication transmission values:



LSA-PLUS®-Series 2 Dimensions

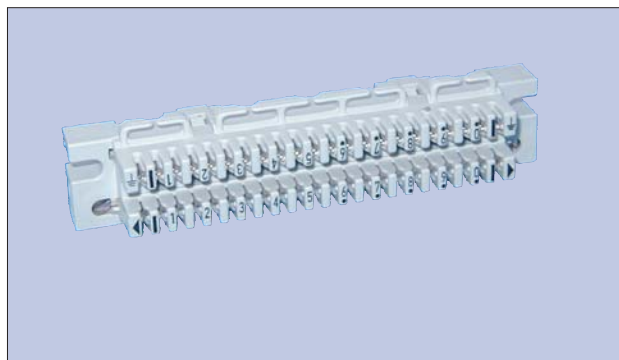


LSA-PLUS®-Series 1 for Mounting Plates, 10 pairs and 20 pairs

Order No.	LSA-PLUS-Connection modules 1/10	Pack
6196 2 001-02	LSA-PLUS-Connection module 1/10 printed 1-0, support contacts	10 pcs
6196 2 001-00	LSA-PLUS-Connection module 1/10 printed, support contacts	10 pcs

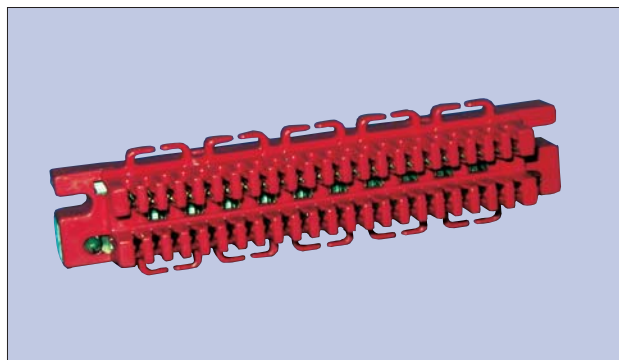
For 10 pairs, fixed by screws Ø 4 mm, with fixing dimension of 96 mm.
Prepared Distribution boxes are:

Outdoor boxes:	KRONECTION Box A30	(6541 1 002-00) max. 20 pairs
	KRONECTION Box A100	(6542 1 002-00) max. 40 pairs
Indoor boxes:	KRONECTION Box I	(6436 1 001-20) max. 20 pairs
	KRONECTION Box II	(6406 1 001-20) max. 40 pairs
	KRONECTION Box III	(6437 1 001-20) max. 80 pairs



Order No.	LSA-PLUS-Earth modules 1/44	Pack
6196 2 003-00	LSA-PLUS-Earth module 1/44 blank, grey	1 pc
6196 2 003-01	LSA-PLUS-Earth module 1/44 blank, red	1 pc

For 44 poles, fixed by screws Ø 4 mm, with fixing dimension of 96 mm, all contacts connected to support contacts. Prepared Distribution boxes are: (see above LSA-PLUS connection modules 1/10)

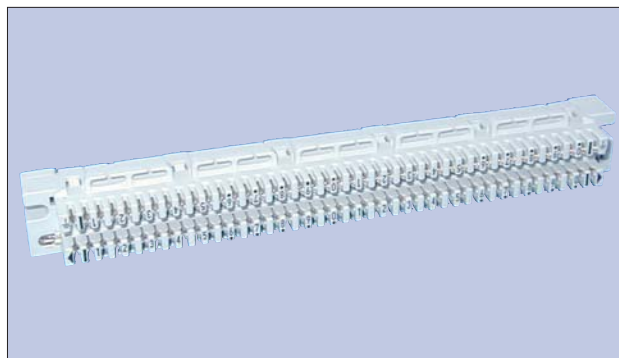


Order No.	LSA-PLUS-Connection modules 1/20	Pack
6196 2 002-02	LSA-PLUS-Connection modules 1/20 printed 1-0, support contacts	10 pcs
6196 2 002-00	LSA-PLUS-Connection modules 1/20 printed, support contacts	10 pcs

For 20 pairs, fixed by screws Ø 4 mm, with fixing dimension of 170 mm.

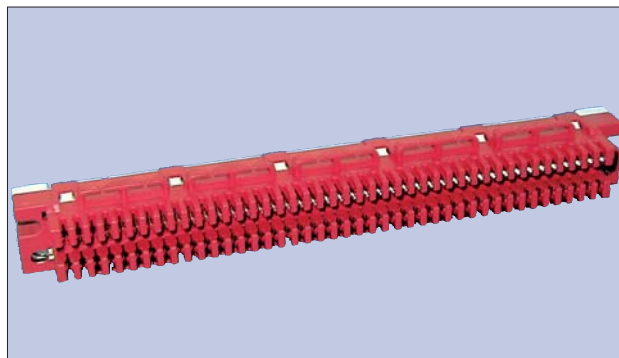
Prepared Distribution boxes are :

Outdoor boxes :	KRONECTION Box A100	(6542 1 002-00) max. 40 pairs
Indoor boxes :	KRONECTION Box III	(6437 1 001-20) max. 80 pairs
	or KVK	(6803 1 101-00) max.120 pairs



Order No.	LSA-PLUS Earth modules 1/84	Pack
6196 2 004-00	LSA-PLUS-Earth module 1/84 blank, grey	1 pc
6196 2 004-01	LSA-PLUS-Earth module 1/84 blank, red	1 pc

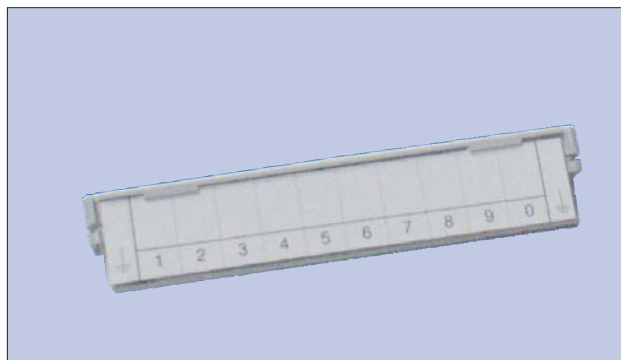
For 84 poles, fixed by screws Ø 4 mm, with fixing dimension of 170 mm, all contacts connected to support contacts. Prepared Distribution boxes are: (see above LSA-PLUS connection modules 1/20)



LSA-PLUS®-Series 1 Accessories

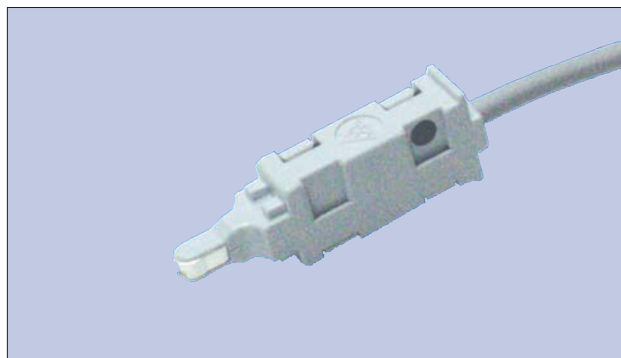
Order No.	LSA-Label holder	Pack
6196 2 005-00	LSA-Label holder 1/10 printed 1-0	1 pc
6196 2 006-00	LSA-Label holder 1/20 printed 2x(1-0)	1 pc

For clicking onto LSA-PLUS modules, Series 1. With transparent cover and paper label.



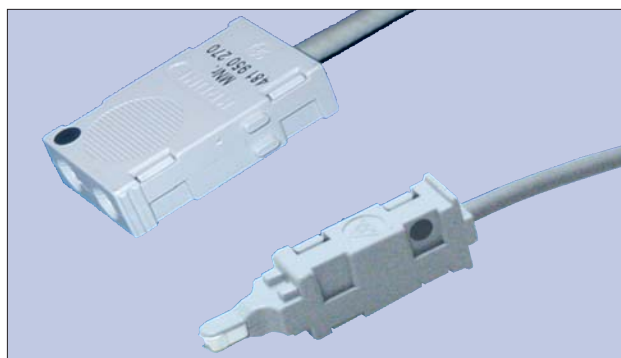
Order No.	LSA-Cord	Pack
6529 1 020-01	LSA-Cord 1/1x2-open, 2p, 1.5m	1 pc

Test cord length: 1.50m
With LSA-PLUS-Series 1 plug and open at one end (2-wire)
For testing components of LSA-PLUS Series 1.



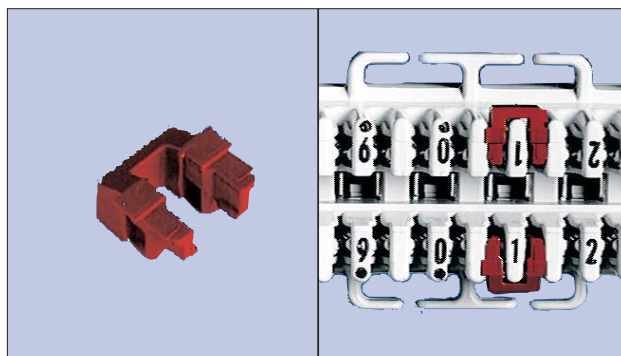
Order No.	LSA-Cord	Pack
6196 2 008-00	LSA-Cord 1/1x2-2Kp, 2p, 0.125m	1 pc

Test cord length: 0.125m
With LSA-PLUS-Series 1 plug and 2 sockets.
For testing components of LSA-PLUS Series 1.



Order No.	Marking cap 1/1	Pack
6196 3 042-00	LSA-Marking cap 1/1 red	1 pc

For marking important wires on LSA-PLUS connection modules 1/10 or 1/20.
Colour: red



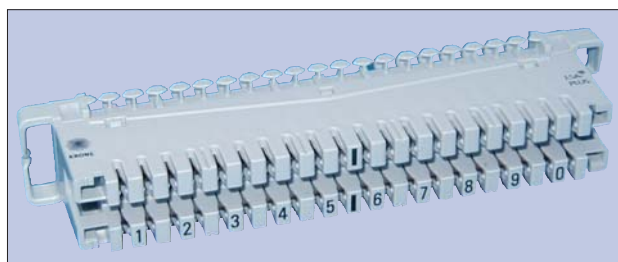
1.2

LSA-PLUS/PROFIL

LSA-PLUS®-Series 2

LSA-PLUS®-Series 2/10 for backmount frame, 10 pairs

Order No.	Connection modules for 10 pairs	Pack
6089 1 002-02	LSA-PLUS-Connection modules 2/10 printed 1-0, cable end up	10 pcs
6089 1 002-06	LSA-PLUS-Connection modules 2/10 printed 0-9, cable end up	10 pcs
6089 1 002-01	LSA-PLUS-Connection modules 2/10 printed 1-0, cable end up, Colour code 1	10 pcs
6089 1 002-03	LSA-PLUS-Connection modules 2/10 printed 1-0, cable end down, Colour code 2	10 pcs



Colour code 1:

RD	GN	GR	YE	W
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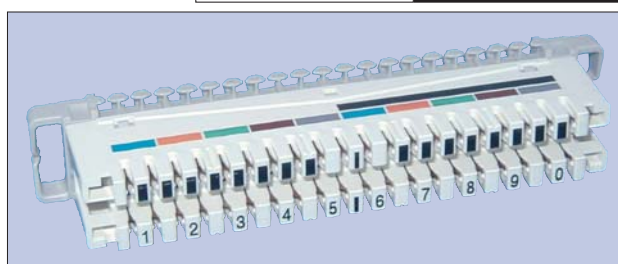
Colour code 2:

W					RD				
BL	YE	GN	BR	GR	BL	YE	GN	BR	GR

Colour code 3:

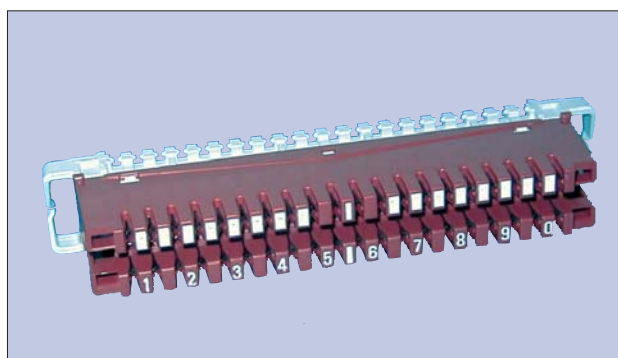
BL	OR	GN	BR	GR	BL	OR	GN	BR	GR
W					BK				

Order No.	Disconnection modules for 10 pairs	Pack
6089 1 102-02	LSA-PLUS-Disconnection module 2/10 printed 1-0, cable end up	10 pcs
6089 1 102-06	LSA-PLUS-Disconnection module 2/10 printed 0-9, cable end up	10 pcs
6089 1 102-01	LSA-PLUS-Disconnection module 2/10 printed 1-0, cable end up, Colour code 1	10 pcs
6089 1 102-09	LSA-PLUS-Disconnection module 2/10 printed 1-0, cable end up, Colour code 3	10 pcs
6089 1 102-03	LSA-PLUS disconnection module 2/10 printed 1-0, cable end down, Colour code 2	10 pcs
6089 1 102-05	LSA-PLUS-Disconnection module 2/10 printed 0-9, cable end down, Colour code 2	10 pcs



Order No.	Switching module for 10 pairs	Pack
6089 2 089-00	LSA-PLUS-Switching module 2/10 printed 1-0, cable end up	1 pcs

For switching up to 20 pairs with LSA-PLUS switching module 2/10. The overall diameter of the single wires can range from 0.7mm to 1.6mm. For 4pole or 8pole cabling systems.

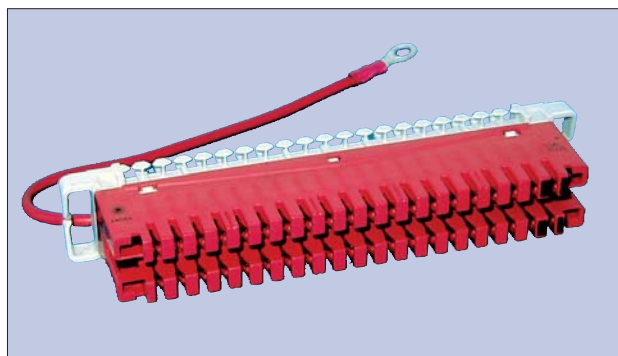


Order No.	Earth modules for 38 earth wires	Pack
6089 2 017-03	LSA-PLUS-Earth module 2/38 earth wire: ye/gn, 500mm, pin socket 2	1 pc
6089 2 017-08	LSA-PLUS-Earth module 2/38 earth wire: red, 750mm, pin socket 4	1 pc
6089 2 017-00	LSA-PLUS-Earth module 2/38 earth wire: red, 250mm, cable lug 1	1 pc

1 =

2 =

4 =

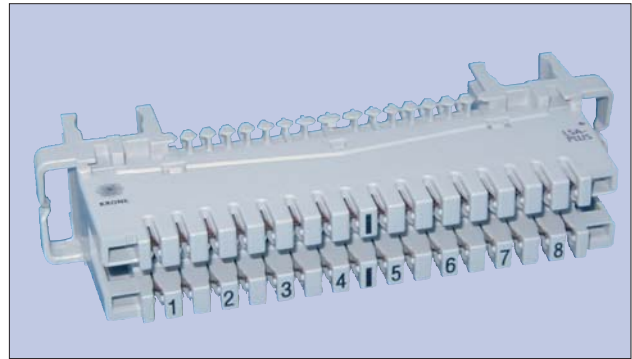


LSA-PLUS®-Series 2/8 for backmount frame, 8 pairs

Order No.	Connection module for 8 pairs	Pack
6036 1 004-00	LSA-PROFIL-Connection module 2/8, printed 1-8	10 pcs

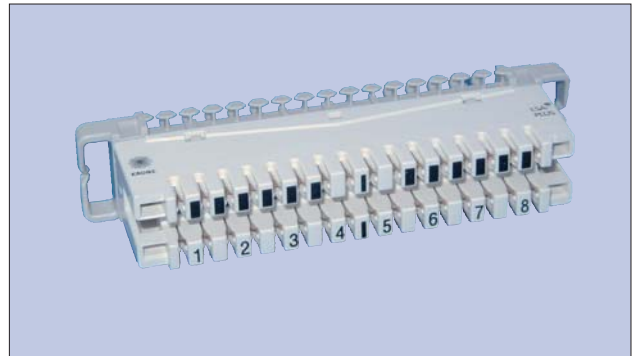
Mounting size 75 mm

Connection module for 8 pairs with parallel test access or overvoltage protection contact. Grey enclosure.



Order No.	Disconnection module for 8 pairs	Pack
6036 1 102-00	LSA-PLUS-Disconnection module 2/8 printed 1-8, cable end up	10 pcs

Disconnection module for 8 pairs with disconnection point for opening the line. Testing possible in both directions. Use of graded protection elements also possible. For clicking onto backmount frames 2/8

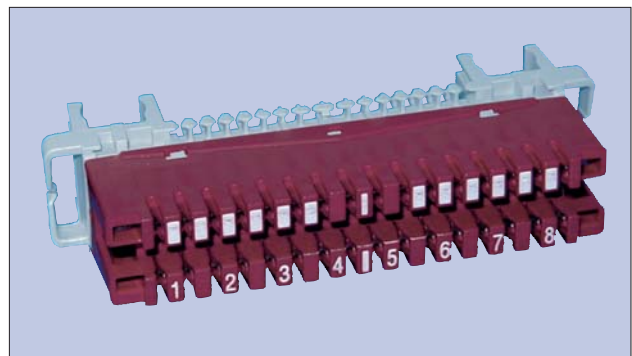


Order No.	Switching module for 10 pairs	Pack
6036 1 106-00	LSA-PLUS-Switching module 2/8 printed 1-8,	1 pc

Befestigungsmaß 75 mm

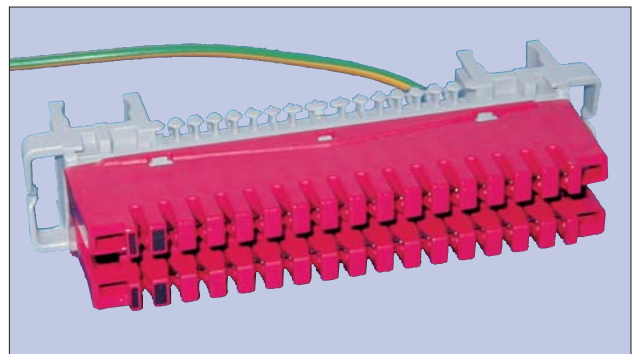
For switching up to 16 pairs with LSA-PLUS switching module 2/8.

For 4pole or 8pole cabling systems.



Order No.	Earth module for 26 earth wires	Pack
6036 2 121-00	LSA-PROFIL-Earth module 2/26 with earth wire, length 500mm, colour red, cable lug 3	1 pc

3 =



1.2

LSA-PLUS/PROFIL

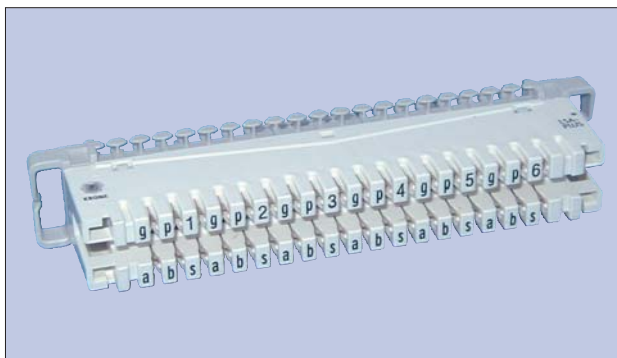
LSA-PLUS®-Series 2

LSA-PLUS®-Series 2/6x3 for backmount frame, 6 x 3 poles

Order No.	Disconnection modules 3-pole	Pack
6504 2 002-00	LSA-PLUS-Disconnection module 2/6x3 printed gp1-gp6, 6xabs, cable end up	10 pcs

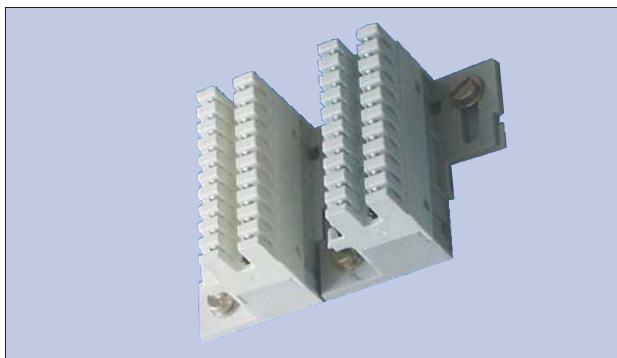
Disconnection module for 6 three-wire lines for connecting and distributing shielded pairs with a disconnection point for opening the lines or for testing in both directions.

Version with separate shield-contacts (s).



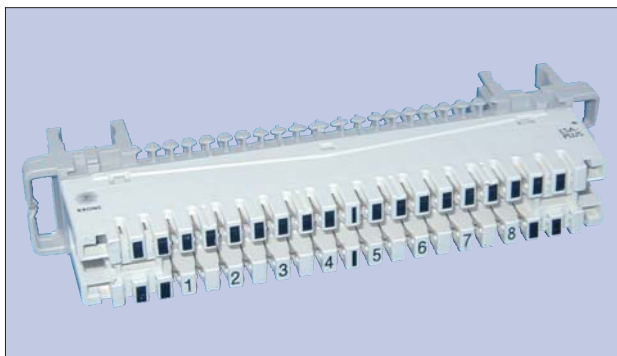
Order No.	Connection modules for 5 pairs	Pack
6585 2 001-00	LSA-PLUS-Connection modules 2/5 printed	10 pcs

LSA-PLUS connection modules, 5 pairs, fixed by screws.



Order No.	Disconnection module for 8 pairs	Pack
6089 1 128-01	LSA-PROFIL-Disconnection module 2/8-95, printed 1-8	10 pcs

Disconnection module for 8 pairs with 95 mm fixing dimension, printed 1...8 (can be installed together with LSA-PROFIL modules 2/10 in the same bay). Outer contacts not connected.

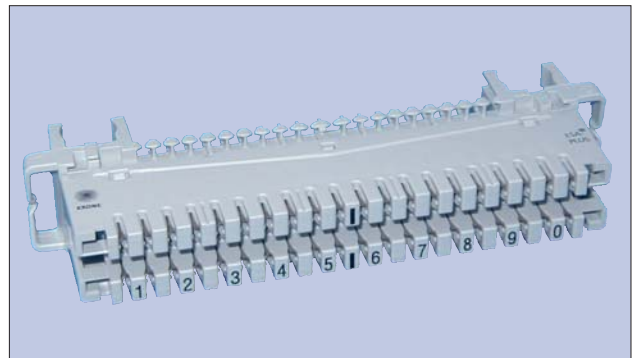


LSA-PROFIL®-Series 2/10 for profile rods, 10 pairs

Order No.	Connection modules for 10 pairs	Pack
6089 1 120-02	LSA-PROFIL-Connection module 2/10 printed 1-0	10 pcs
6089 1 120-19	LSA-PROFIL-Connection module 2/10 printed. 1-0, large jumper guides	10 pcs
6089 1 120-01	LSA-PROFIL-Connection module 2/10 printed 1-0, colour code 1	10 pcs

Colour code 1:

RD	GN	GR	YE	W
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Order No.	Disconnection modules for 10 pairs	Pack
6089 1 121-02	LSA-PROFIL-Disconnection module 2/10, printed 1-0	10 pcs
6089 1 121-17	LSA-PROFIL-Disconnection module 2/10, printed 1-0, large jumper guides	10 pcs
6089 1 121-30	LSA-PROFIL-Disconnection module 2/10-L, printed 1-0, without jumper guides	10 pcs
6089 1 121-01	LSA-PROFIL-Disconnection module-2/10 printed 1-0, colour code 1	10 pcs

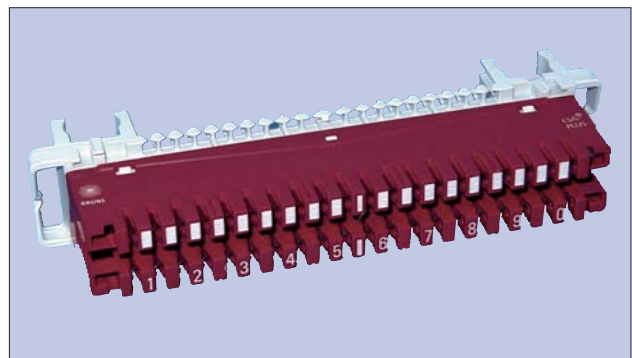
Colour code 1:

RD	GN	GR	YE	W
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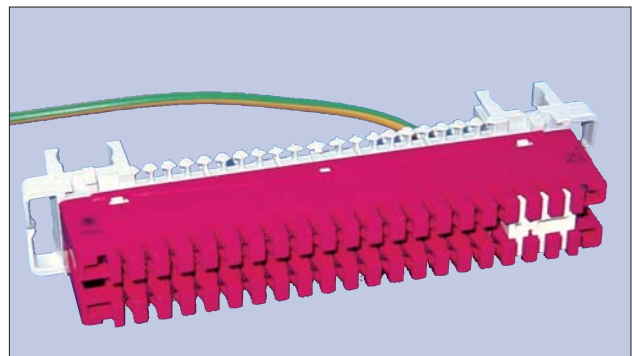
Order No.	Switching modules for 10 pairs	Pack
6089 1 126-00	LSA-PROFIL-Switching module 2/10, printed 1-0	10 pcs
6089 1 126-02	LSA-PROFIL-Switching module 2/10-L, printed 1-0, without jumper guides	10 pcs

For switching up to 20 pairs. The overall diameter of the single wires can range from 0.7mm to 1.6mm. Brown enclosure. Designed for universal use with profile rods and backmount frames 2/10. Jumpering with LSA-Patch cords. For 4pole or 8pole cabling system.



Order No.	Earth module for 34 earth wires	Pack
6089 1 130-01	LSA-PROFIL earth module 2/34 with earth wire, ye/gn, 500mm, with cable lug 3	1 pc

3 =



1.3

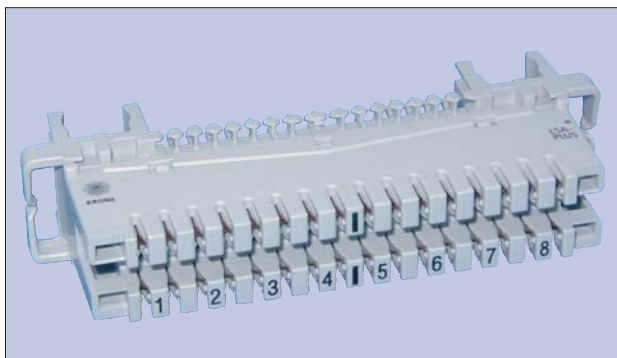
LSA-PLUS/PROFIL

LSA-PROFIL®-Series 2

LSA-PROFIL®-Series 2/8 for profile rods, 8 pairs

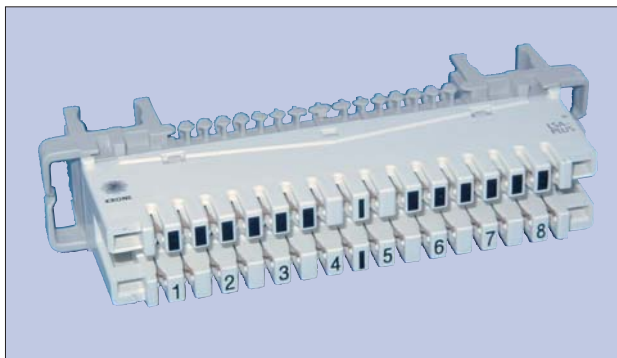
Order No.	Connection module for 8 pairs	Pack
6036 1 004-00	LSA-PROFIL-Connection module 2/8, printed 1-8	10 pcs

1 set = 10 pieces, including 1 set of number flags 1...0
Connection module for 8 pairs with parallel test access or overvoltage protection contact. Grey enclosure.
Designed for universal use with: Profile rods, backmount frames 2/8.



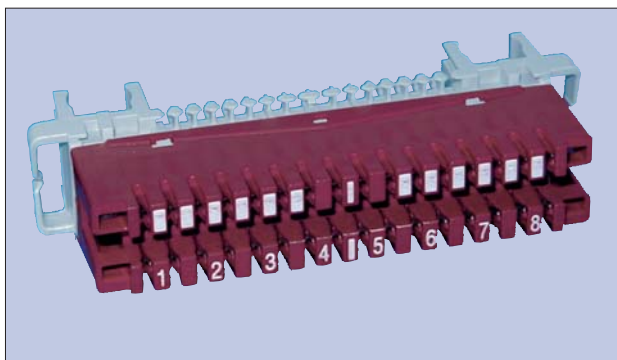
Order No.	Disconnection module for 8 pairs	Pack
6036 1 005-00	LSA-PROFIL-Disconnection module 2/8, printed 1-8	10 pcs

Disconnection module for 8 or 10 pairs with disconnection point for opening the line. Testing possible in both directions. Use of graded protection elements also possible. White enclosure.
Designed for universal use with: Profile rods, backmount frames 2/8.



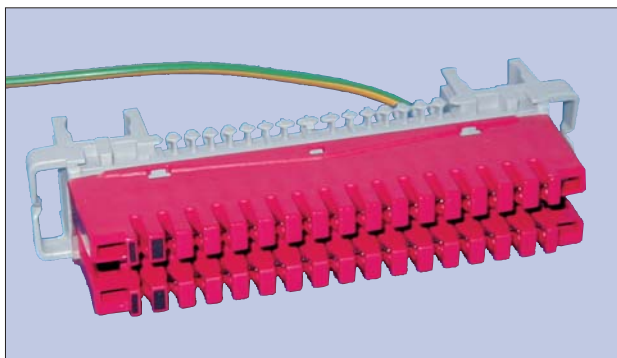
Order No.	Switching module for 8 pairs	Pack
6036 1 006-00	LSA-PROFIL-Switching module 2/8 printed 1-8	10 pcs

1 set = 10 pieces, including 1 set of number flags 1...0
For switching up to 16 pairs with 2/8. The overall diameter of the single wires can range from 0.7mm to 1.6mm. Brown enclosure.
Designed for universal use with: Profile rods, backmount frames 2/8.



Order No.	Earth module for 26 earth wires	Pack
6036 2 121-00	LSA-PROFIL-Earth module 2/26 with earth wire, length 500mm, colour red, cable lug 3	1 pc

3 =



LSA-PLUS®-Backmount Frame-Accessories, Dust Covers 2/10

Order No.	Edge protection strips	Pack
6092 3 017-00	LSA-Edge protection strip length = 120 mm	1 pc
6092 3 017-01	LSA-Edge protection strip length = 60 mm	1 pc

For protection against accidents whilst working on partially equipped backmount frames. Inserted over the teeth of the backmount frame which are not used.



Order No.	Cable protection rings	Pack
6050 3 044-00	LSA-Cable protection rings	1 pc

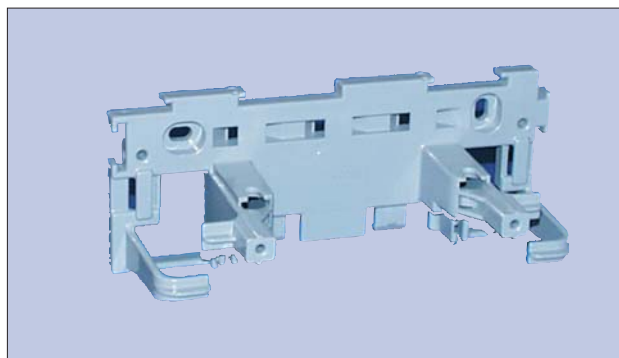
Suitable for the 15-mm holes on the back and side of the backmount frame. Designed to protect cable insulation when passing through cable bundles.



Order No.	Mounting adapter	Pack
6455 3 027-00	LSA-Mounting adapter	1 pc

Prepared to accommodate LSA-PROFIL rods with distance of 95 mm according to LSA-PROFIL Series 2/10 and also suitable to accommodate LSA backmount frame 2/10 or LSA backmount frame 2/8. The LSA mounting adapter may be arranged in a horizontal and a vertical order. Thus, flexible distributors are possible. The necessary installation aids are already integrated in the adapters. Per bay, (LSA-PROFIL) 2 LSA mounting adapters are necessary.

Material: PPO (modified Polyphenylenoxid), Colour: grey
Temperature range in operation: -20°C to +65°C



Order No.	Dust cover 2/10	Pack
6092 3 016-00	LSA-Dust cover 2/10, shallow, transparent, 100 pairs	1 pc
6092 3 016-01	LSA-Dust cover 2/10, shallow transparent, 50 pairs	1 pc
6089 2 097-00	LSA-Dust cover 2/10, 10 pairs	1 pc
6092 3 034-00	LSA-Dust cover 2/10, deep, 100 pairs (protection magazine can be fitted)	1 pc
6092 3 034-01	LSA-Dust cover 2/10, deep, 50 pairs (protection magazine can be fitted)	1 pc



LSA-PLUS®-Backmount Frame 2/10 for 10 pairs module

Order No.	Backmount frames 2/10, R=22.5mm	Pack
6050 3 112-03	LSA-Backmount frame 2/10, R=22.5 HP1, d=12mm for 3 modules	1 pc
6050 3 112-05	LSA-Backmount frame 2/10, R=22.5 HP1, d=12mm for 5 modules	1 pc
6050 3 112-10	LSA-Backmount frame 2/10, R=22.5 HP1, d=12mm for 10 modules	1 pc
6050 3 112-50	LSA-Backmount frame 2/10, R=22.5 HP1, d=12mm for 50 modules	1 pc
6050 3 122-03	LSA-Backmount frame 2/10, R=22.5 HP1, d=22mm for 3 modules	1 pc
6050 3 122-05	LSA-Backmount frame 2/10, R=22.5 HP1, d=22mm for 5 modules	1 pc
6050 3 122-10	LSA-Backmount frame 2/10, R=22.5 HP1, d=22mm for 10 modules	1 pc
6050 3 122-11	LSA-Backmount frame 2/10, R=22.5 HP1, d=22mm for 11 modules	1 pc
6050 3 122-50	LSA-Backmount frame 2/10, R=22.5 HP1, d=22mm for 50 modules	1 pc
6050 3 130-50	LSA-Backmount frame 2/10, R=22.5 HP1, d=30mm for 50 modules	1 pc
6050 3 150-50	LSA-Backmount frame 2/10, R=22.5 HP1, d=50mm for 50 modules	1 pc

Order No.	Backmount frames 2/10, R=25mm	Pack
6442 3 112-50	LSA-Backmount frame 2/10, R=25 HP1, d=12mm for 50 modules	1 pc
6442 3 122-50	LSA-Backmount frame 2/10, R=25 HP1, d=22mm for 50 modules	1 pc
6442 3 130-50	LSA-Backmount frame 2/10, R=25 HP1, d=30mm for 50 modules	1 pc
6442 3 150-50	LSA-Backmount frame 2/10, R=25 HP1, d=50mm for 50 modules	1 pc

Technical data:

Climatic range:	For all temperatures and climatic conditions, only limited by the LSA-PLUS modules connected.
Materials:	Stainless steel X 5 CrNi 1810n, untreated
Corrosion:	When moisture occurs, stainless steel has a high affinity especially to aluminum, cadmium and zinc. Fixing elements and metal supports should have a tin or nickel surface or be made of stainless steel of quality described above.

Order No.	Backmount frames 2/10, R=22.5mm, modular	Pack
6973 1 210-02	LSA-Backmount frame 2/10, modular LB1&2, T=22mm for 45 modules	1 pc
6973 1 210-04	LSA-Backmount frame 2/10, modular LB1&2, T=50mm for 45 modules	1 pc

According to the requirement arbitrarily separably
For maximal 45 modules. Other depths on request.

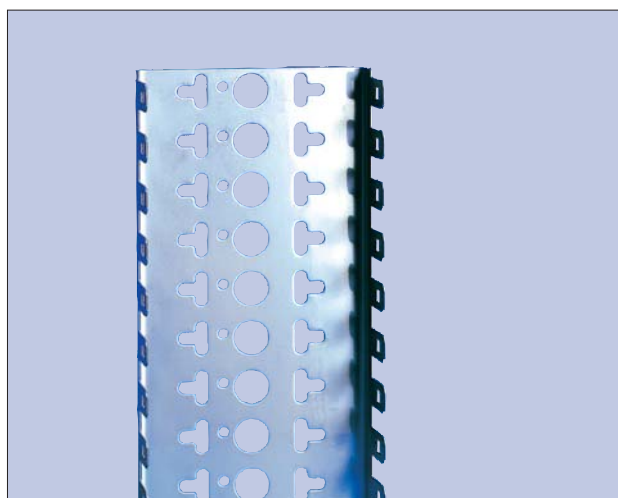
Order Information:

The listed backmount frames are only part of the whole range. Different lengths on request. The last two digits indicate the number of modules that can be installed.

LSA back mount frame 2/10 with hole pattern 1 for clipping on LSA-PLUS modules 2/10 and LSA-PLUS modules 2/6x3.

For special use with mounting adapters 6455 3 027-00 or for KRONECTION® boxes, I, II, III (only for a depth of 22 mm), for KRONECTION® boxes-A 30 and A100 (only for a depth of 22 mm), or for universal mounting of individual modules in cabinets, in appliances or on walls.

In these applications, the pitch (R) of 22.5 mm can always be used, as jumper wires can be fed in from both sides of the module. The pitch of 25 mm is only used in main distribution racks, although here, back mount frames with hole pattern 2 can always be used.

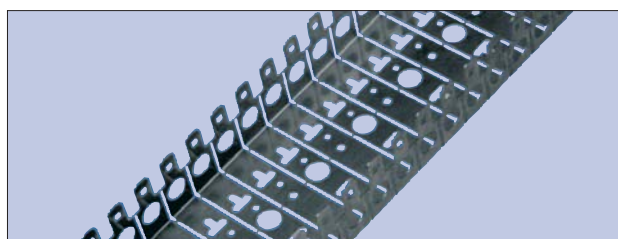


hole pattern 1

Mounting instruction:

If several backmount frames are mounted next to each other, a minimum gap of 60 mm must be observed.

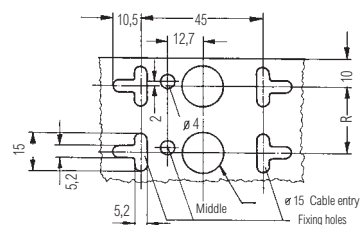
If connection blocks with 50 or 100 wire pairs are mounted above each other with dust cover, a minimum gap of 8 mm between the back mount frames must be observed when mounting.



Order No.	Backmount frames 2/8, R=22,5mm	Pack
6054 3 112-01	LSA-Backmount frame 2/8, R=22,5mm LB1, T=12mm for 1 modules	1 pc
6054 3 112-50	LSA-Backmount frame 2/8, R=22,5mm LB1, T=12mm for 50 modules	1 pc
6054 3 122-03	LSA-Backmount frame 2/8, R=22,5mm LB1, T=22mm for 3 modules	1 pc
6054 3 122-05	LSA-Backmount frame 2/8, R=22,5mm LB1, T=22mm for 5 modules	1 pc
6054 3 122-10	LSA-Backmount frame 2/8, R=22,5mm LB1, T=22mm for 10 modules	1 pc
6054 3 122-11	LSA-Backmount frame 2/8, R=22,5mm LB1, T=22mm for 11 modules	1 pc
6054 3 122-50	LSA-Backmount frame 2/8, R=22,5mm LB1, T=22mm for 50 modules	1 pc
6054 3 130-50	LSA-Backmount frame 2/8, R=22,5mm LB1, T=30mm for 50 modules	1 pc
6054 3 150-50	LSA-Backmount frame 2/8, R=22,5mm LB1, T=50mm for 50 modules	1 pc

See LSA-PLUS-Backmount frame 2/10

Technical drawing of a cable tray with three attachment measures. The drawing shows a side view of a cable tray with three U-shaped attachment measures. Dimensions include: total length $L = R(M-1)+20$; width of the tray 10; height of the tray T ; height of the attachment measure 11; and the distance between attachment measures R . The maximum attachment measure is labeled as $R(M-1)$. A cable entry is shown with a diameter of 15.


$$\text{Length}[L] = 22.5[R] \times (10[\text{modules}] - 1) + 20 = 222.5 \text{ mm}$$

LSA-PLUS®-Label Holder 2/10

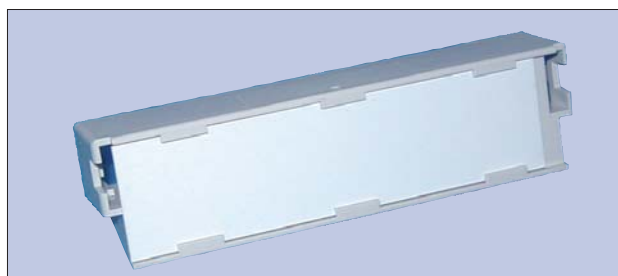
Order No.	Module label holder 2/10	Pack
6092 2 012-00	LSA-Module label holder 2/10 with label, printed	1 pc
6092 2 012-02	LSA-Module label holder 2/10 with label, blank	1 pc

Label holder 21mm, height of paper label 15mm, blank



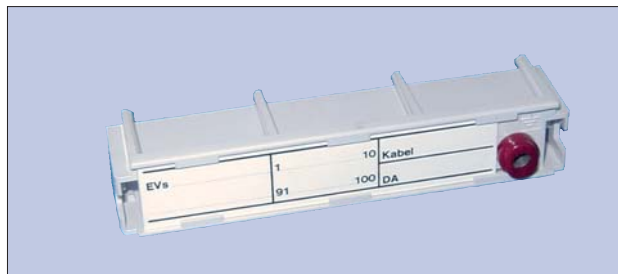
Order No.	Module label holder 2/10, extra-large	Pack
6092 2 012-01	LSA-Module label holder 2/10 with label 22mm	1 pc

Extra-large label space, height of label holder 28mm, height of paper label 22mm, blank



Order No.	Module label holder 2/10 with earth socket	Pack
6092 2 028-00	LSA-Module label holder 2/10 with earth socket and label	10 pcs

For fixing on backmount frames, with earth socket (red) and contact to the backmount frame, with label, requires the space otherwise needed for one module on backmount frames 2/10.



Order No.	Hinged label holder 2/10	Pack
6089 2 015-01	LSA-Hinged label holder 2/10 with label	1 pc

Can be attached to LSA-PLUS/PROFIL modules and overvoltage protection magazines with transparent cover and paper label, blank. Height of paper label 9mm.



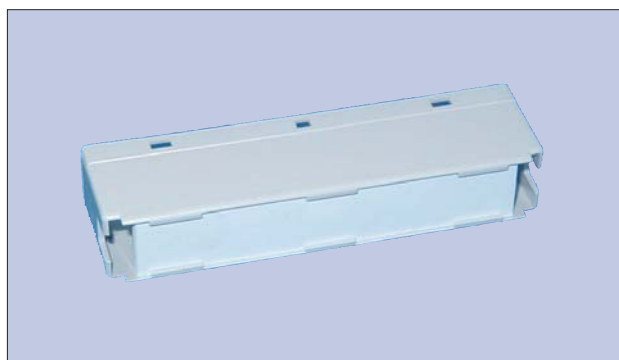
Order No.	Paper labels	Pack
6089 2 015-01BS	LSA-Label-2/10-A4/32x, white	100 pcs

A4 sheets, perforated. 32 paper labels on one A4-bent.
For laser and inkjet printers. Enables an EDP supported inscription of hinged label holders (KKNr. 6089 2 015-01).

LSA-PLUS® Label Holder 2/8

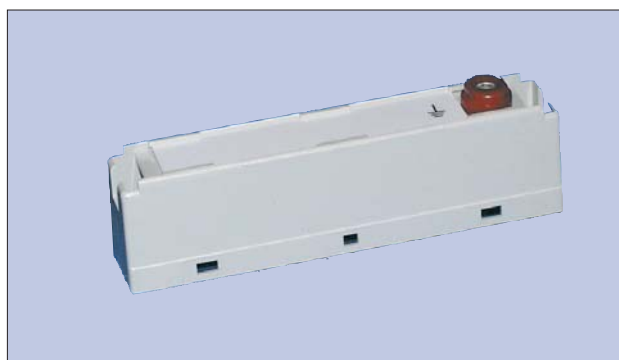
Order No.	Module label holder, 2/8	Pack
6036 2 018-00	LSA-Module label holder 2/8 with label, blank	1 pcs

Label holder 16 mm, height of paper label 13 mm, blank



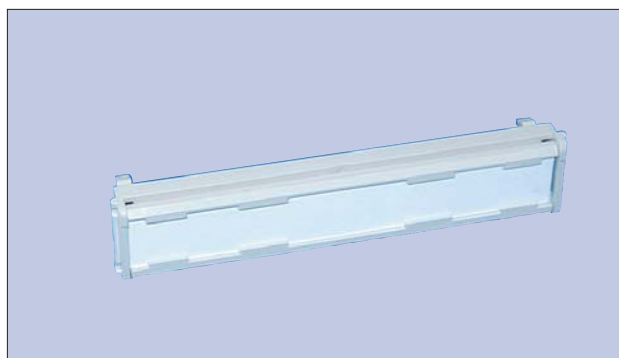
Order No.	Module label holder, 2/8, with earth socket	Pack
6036 2 019-00	LSA-Module label holder 2/8 with label, printed, red earth socket	10 pcs

For fixing on backmount frames, with earth socket (red) and contact to the backmount frame, with label, requires the space otherwise needed for one module on backmount frames 2/10.



Order No.	Hinged label holder 2/8	Pack
6036 2 005-02	LSA-Hinged label holder 2/8, with label	1 pcs

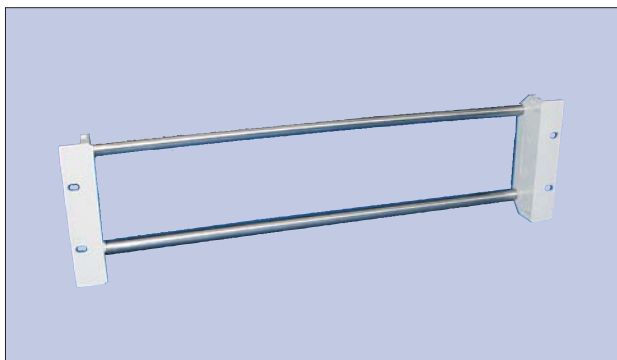
Can be attached to LSA-PLUS/PROFIL modules and overvoltage protection magazines with transparent cover and paper label, blank. Height of paper label 9mm.



LSA-PROFIL®-Racks

Order No.	PROFIL-Module rack	Pack
6690 1 125-00	LSA-PROFIL-Module rack C1, (kit)	1 pc
6690 1 126-00	LSA-PROFIL-Earthing set C1 for module rack C1	1 pc

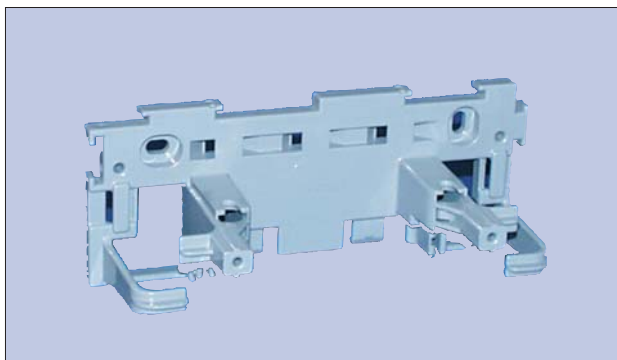
Module rack with angled side walls (fiber-reinforced plastic)
Profile rods: blue, galvanized. Designed for installation in 19" racks



Order No.	Mounting adapter	Pack
6455 3 027-00	LSA-Mounting adapter	1 pc

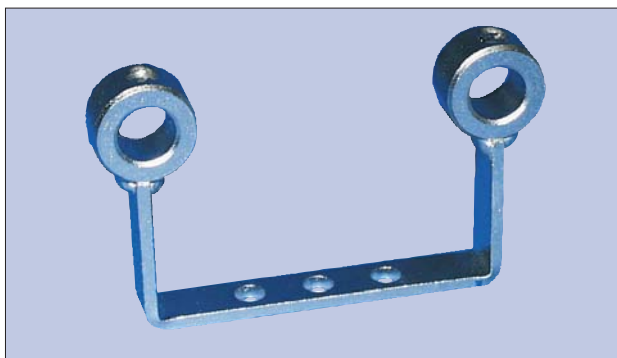
Prepared to accommodate LSA-PROFIL rods with distance of 95 mm according to LSA-PROFIL Series 2/10 and also suitable to accommodate LSA-Backmount frame 2/10 or LSA-Backmount frame 2/8. The LSA-mounting adapter may be arranged in a horizontal and a vertical order. Thus, flexible distributors are possible. The necessary installation aids are already integrated in the adapters. Per bay, (LSA-PROFIL) 2 LSA mounting adapters are necessary.

Material: PPO (modified Polyphenylenoxid), Colour: grey
Temperature range in operation: -20°C to +65°C



Order-No.	PROFIL-Bar bracket (for 10 pairs)	Pack
6577 3 834-00	LSA-PROFIL-Bar bracket 2/10 T= 46 mm	1 pc
6577 2 860-00	LSA-PROFIL-Bar bracket 2/10 T= 86 mm	1 pc
6577 2 868-00	LSA-PROFIL-Bar bracket 2/10 T= 140 mm	1 pc

Prepared to accommodate LSA-PROFIL rods with distance of 95 mm according to LSA-PROFIL Series 2/10. Per bay are 2 pcs LSA-PROFIL-Bar bracket necessary.



Order-No.	PROFIL-Bar bracket (for 8 pairs)	Pack
6577 3 834-01	LSA-PROFIL-Bar bracket 2/8	1 pc

Prepared to accommodate LSA-PROFIL rods with distance of 75 mm according to LSA-PROFIL Series 2/8. Per bay are 2 pcs LSA-PROFIL-Bar bracket necessary.



LSA-PROFIL®-Bar Brackets

Order No.	PROFIL bar bracket for 2/10	Pack
6619 2 025-00	LSA-PROFIL-Bar bracket-95	2 pcs
6619 2 031-00	LSA-PROFIL-Jumper wire bracket double	4 pcs
5996 3 049-01	C-rails (615 mm)	1 pc
313 002	Sliding nut for C rail M5	1 pc

For one bay you need the following parts:

6619 3 307-80	PROFIL bars 780mm, with M5 thread holes	2 pcs
6619 2 025-00	LSA-PROFIL bar bracket-95	2 pcs
6619 2 031-00	LSA-PROFIL jumper wire bracket, double	2 pcs
313 002	Sliding nut for C rail M5	4 pcs

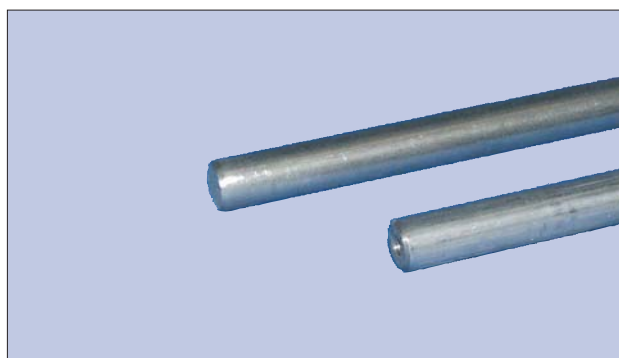
For fixing of 4 bays you need:

5996 3 049-01	C-rails (615 mm)	2 pcs
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Order No.	PROFIL-Rods	Pack
6619 3 307-80	LSA-PROFIL-Rod, 780mm with M5 threaded hole at the end	1 pc
0637 0 005-73	LSA-PROFIL-Rod, 780mm	1 pc

PROFIL-Rods with M5 threaded hole at the end for use with LSA-PROFIL-Bar bracelet 95. Available in different lengths on request.



LSA-PROFIL®-Holder, Earth Contact Clip

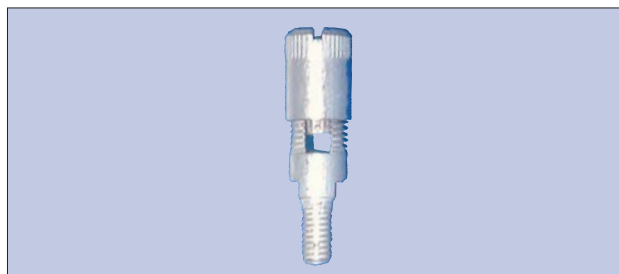
Order No.	Earth clamps	Pack
6619 2 026-00	Earth clamp for LSA-PROFIL bar bracket (for wire diameters of up to 5mm)	1 pc

For mounting on profile rods, including screws and assembly instructions.



Order -Nr.	Earth wire clamp	Pack
6619 2 028-00	Earth wire clamp	4 pcs

Earth wire clamp including assembly instructions.



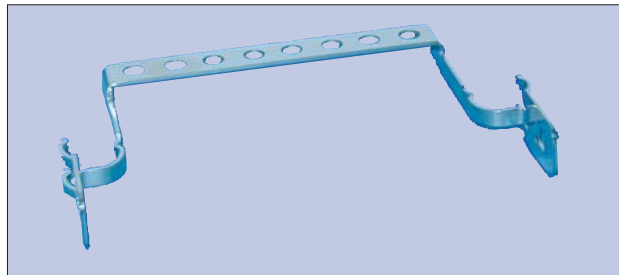
Order No.	Earth contact clip	Pack
6089 2 122-00	LSA-PROFIL-Earth contact clip	20 pcs

For overvoltage connection on profile rods. 2 pieces required for each LSA-PROFIL module.



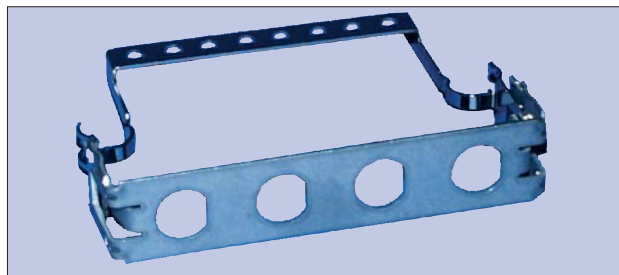
Order No.	Cable support bracket	Pack
6619 2 040-00	LSA-PROFIL-Cable support bracket 2/10	10 pcs

Bracket for fixing cables with overvoltage protection lugs.
Mounting depth: 35mm



Order No.	Socket holder	Pack
6619 2 004-00	LSA-PROFIL-Socket holder 2/10	1 pc

For 4 sockets, 13mm in diameter (BNC), flattened to 12mm, complete with cable support bracket.
Height = 25 mm, depth = 30 mm.



Wire Guides

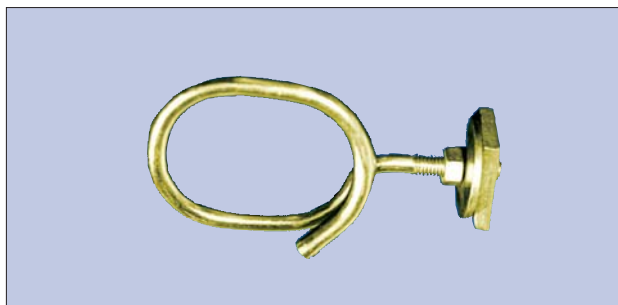
Order No.	Wire guide	Pack
317 167	Wire guide, PP	1 pc

Capacity: approximately 350 pairs.
 Dimensions: 79 x 45.6 mm (HxB)
 Colour: grey, similar RAL 7032
 Material: Polyamid



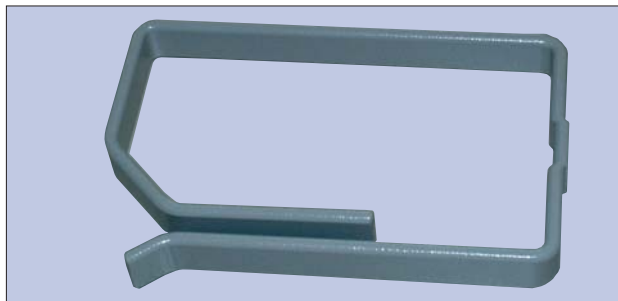
Order No.	Wire guide	Pack
0637 0 009-08	Wire guide 70/40 Fe	1 pc

Capacity: approximately 200 pairs.
 Dimensions: 55 x 40 mm (HxW)
 Material: Metal



Order No.	Wire guide	Pack
6577 3 859-00	Wire guide 130x80-GR-GSH	1 pc

Capacity: approximately 600 pairs.
 Dimensions : 130 x 80 mm (HxW)
 Material: Metal, plastic coated



1.4

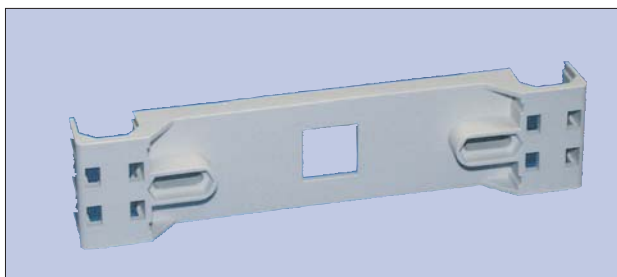
LSA-PLUS/PROFIL

Accessories LSA-PROFIL®

LSA-PROFIL®-Holder, Cable Guide

Order No.	Holder for cable guide	Pack
6690 2 101-00	LSA-PROFIL-Holder for cable guide	10 pcs

Designed for use in profile rod systems (mounting dimension: 95mm), Mounting holes prepared for M 3 screws. Fixing dimensions from 60 up to 75 mm.



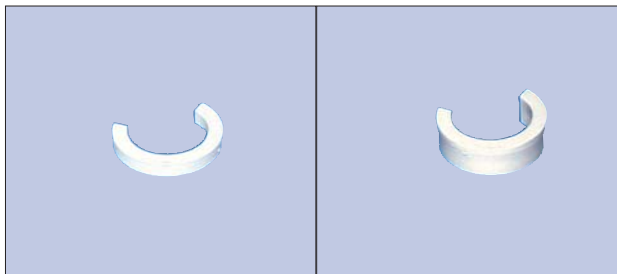
Order No.	Adapter clip	Pack
6619 2 045-00	LSA-PROFIL-Adapter clip	10 pcs

Prepared for M5 screw. Can be clipped onto LSA-PROFIL-rods.



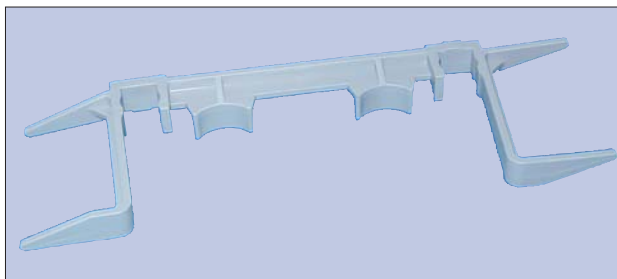
Order No.	Spacer	Pack
6619 2 046-00	LSA-PROFIL-Spacer, height 2.5 mm	100 pcs
6619 2 046-01	LSA-PROFIL-Spacer, height 5 mm	100 pcs

For ensuring even spacing on profile rods.



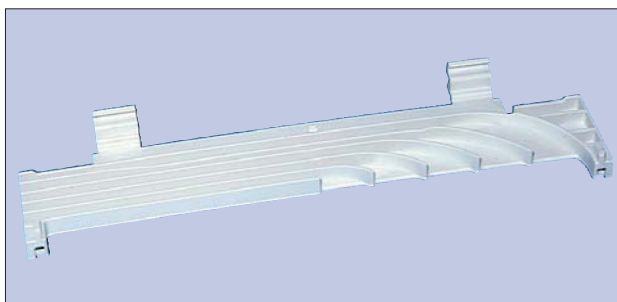
Order No.	PROFIL-Jumper guides	Pack
6619 2 016-00	LSA-PROFIL-Jumper guide 2/10, two-sided	2 pcs
6619 2 015-00	LSA-PROFIL-Jumper guide 2/10, on one side	2 pcs

For clipping on to profile rods, height: $h = 10\text{mm}$, projects 45mm to the rear (relative to the centre of the profile bar) and approx. 35mm to the side. Recommended distance between the bays 59 ... 69 mm



Order No.	PROFIL wire guides	Pack
0637 0 007-46	LSA-PROFIL-Wire guides 10L	10 pcs

10L=Supply of 10 pairs from the left side



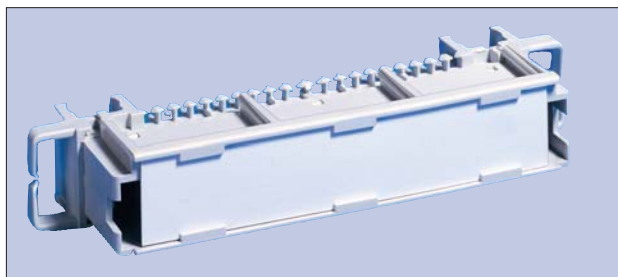
LSA-PROFIL®-Label Holder Series 2

Order No.	Module label holder, 2/10	Pack
6753 2 009-00	LSA-PROFIL-Module label holder 2/10 with label, blank	1 pc

Label holder 21 mm, height of paper label 18 mm, blank

Order No.	Module label holder, 2/8	Pack
6753 2 008-00	LSA-PROFIL-Module label holder 2/8 with label, blank	1 pc

Label holder 21 mm, height of paper label 18 mm, blank

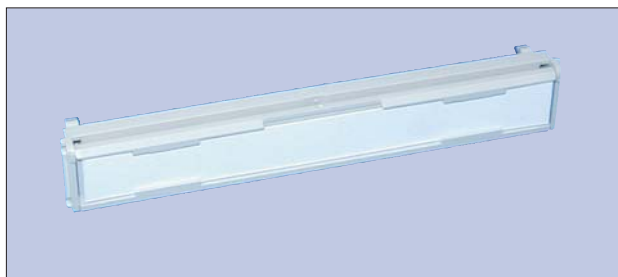


Order No.	Hinged label holder 2/10	Pack
6089 2 015-01	LSA-Hinged label holder 2/10 with label, blank	1 pc

Can be attached to LSA-PROFIL-modules and overvoltage protection magazines with transparent cover and paper label, blank. Height of paper label 9mm

Order No.	Paper labels	Pack
6089 2 015-01BS	LSA-Labels-2/10-A4/32x, white	100 pcs

A4 sheets, perforated. 32 paper labels on one A4-sheet. For laser and inkjet printers. Enables an EDP supported inscription of hinged label holders (KKNr. 6089 2 015-01).



Order No.	Hinged label holder 2/8	Pack
6036 2 005-02	LSA-Hinged label holder 2/8 with label, blank	1 pc

Can be attached to LSA-PROFIL-modules and overvoltage protection magazines with transparent cover and paper label, blank. Height of paper label 9mm.



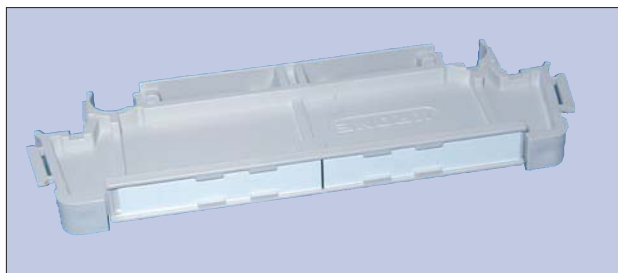
Order No.	Dust cover	Pack
6619 3 107-73	LSA-PROFIL-Dust cover, deep	1 pc

Standard length for 300 pairs = 773 mm
Covers LSA-PROFIL-bays with accessories up to 26 mm height (GDT-magazines).
For mounting are 2 pcs LSA-PROFIL-end units necessary.



Order No.	End unit	Pack
6619 2 023-00	LSA-PROFIL-End unit, deep	2 pcs

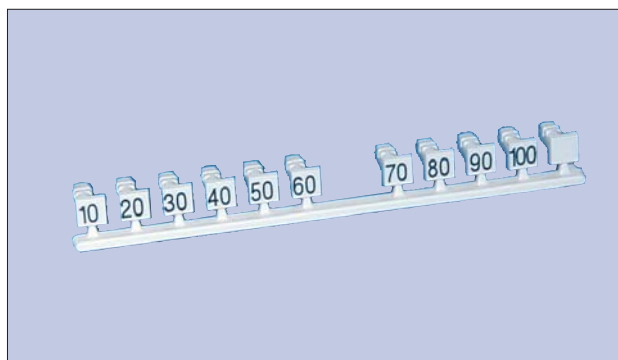
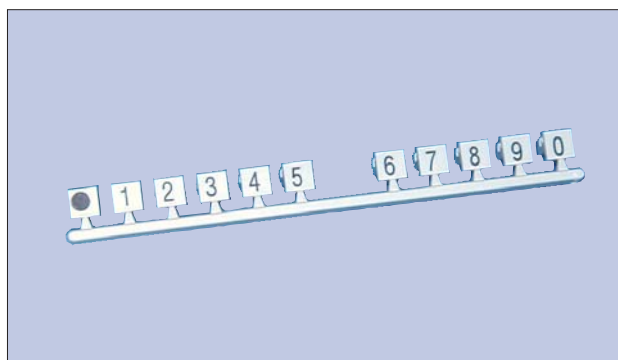
LSA-PROFIL-end unit deep for LSA-PROFIL-dust cover deep with a depth of 64 mm related to profile rod center and a width of 140 mm.



LSA-Number Flags, Cover Strips

Order No.	Number flags	Pack
6089 3 023-00	LSA-Number flags 1-0, grey	10 pcs
6089 3 023-01	LSA-Number flags 10-100, grey	10 pcs
6089 3 023-40	LSA-Number flags 1-10, grey	10 pcs
6089 3 023-41	LSA-Number flags 11-20, grey	10 pcs
6089 3 023-42	LSA-Number flags 21-30, grey	10 pcs
6089 3 023-43	LSA-Number flags 31-40, grey	10 pcs
6089 3 023-44	LSA-Number flags 41-50, grey	10 pcs
6089 3 023-45	LSA-Number flags 51-60, grey	10 pcs
6089 3 023-46	LSA-Number flags 61-70, grey	10 pcs
6089 3 023-47	LSA-Number flags 71-80, grey	10 pcs
6089 3 023-48	LSA-Number flags 81-90, grey	10 pcs
6089 3 023-49	LSA-Number flags 91-100, grey	10 pcs
0637 0 007-47	LSA-Number flags 10-200, grey	1 pc
0637 0 008-02	LSA-Number flags 10-400, grey	1 pc
0637 0 008-03	LSA-Number flags 10-600, grey	1 pc

For marking the modules of Series 2 and TERMINATOR.



Order No.	Marking caps 2/1	Pack
6089 3 006-00	LSA-Marking cap 2/1, red	100 pcs
6089 3 006-01	LSA-Marking cap 2/1, white	100 pcs
6089 3 006-02	LSA-Marking cap 2/1, green	100 pcs
6089 3 006-03	LSA-Marking cap 2/1, yellow	100 pcs
6089 3 006-04	LSA-Marking cap 2/1, grey	100 pcs
6089 3 006-05	LSA-Marking cap 2/1, black	100 pcs
6089 3 006-06	LSA-Marking cap 2/1, brown	100 pcs
6089 3 006-07	LSA-Marking cap 2/1, blue	100 pcs

For marking important connections (1 pair) in LSA-PLUS/PROFIL modules.



LSA-Marking Caps, Dummy- and Disconnection Plugs

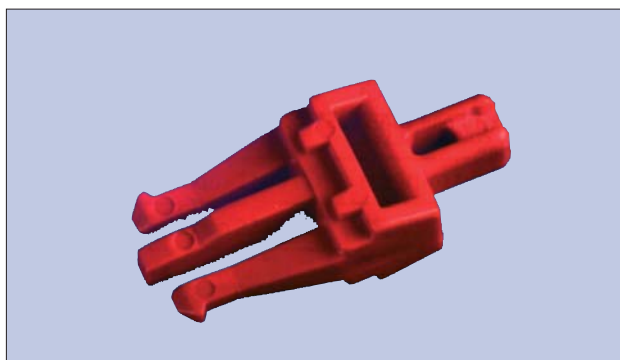
Order No.	Dummy plug 2/1 with label area	Pack
6417 3 105-00	LSA-Dummy plug 2/1, BF, red	100 pcs
6417 3 105-01	LSA-Dummy plug 2/1, BF, white	100 pcs
6417 3 105-02	LSA-Dummy plug 2/1, BF, green	100 pcs
6417 3 105-03	LSA-Dummy plug 2/1, BF, yellow	100 pcs
6417 3 105-04	LSA-Dummy plug 2/1, BF, green	100 pcs
6417 3 105-05	LSA-Dummy plug 2/1, BF, black	100 pcs
6417 3 105-06	LSA-Dummy plug 2/1, BF, brown	100 pcs
6417 3 105-07	LSA-Dummy plug 2/1, BF, blue	100 pcs

With label area, for marking lines as well as preventing unwanted access to LSA-PLUS/PROFIL connection modules and to preventing disconnection in the case of disconnection modules



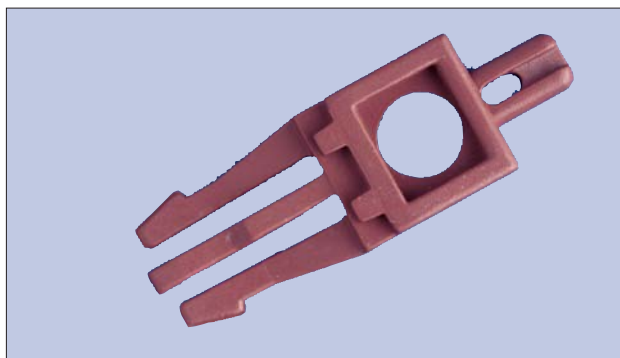
Order No.	Dummy plug 2/1 with extraction hook	Pack
6089 3 056-00	LSA-Dummy plug 2/1, AÖ, red	100 pcs
6089 3 056-01	LSA-Dummy plug 2/1, AÖ, white	100 pcs
6089 3 056-02	LSA-Dummy plug 2/1, AÖ, green	100 pcs
6089 3 056-03	LSA-Dummy plug 2/1, AÖ, yellow	100 pcs
6089 3 056-04	LSA-Dummy plug 2/1, AÖ, green	100 pcs
6089 3 056-05	LSA-Dummy plug 2/1, AÖ, black	100 pcs
6089 3 056-06	LSA-Dummy plug 2/1, AÖ, brown	100 pcs
6089 3 056-07	LSA-Dummy plug 2/1, AÖ, blue	100 pcs

With extraction hook, for marking lines (1 pair) as well as preventing unwanted access to LSA-PLUS/PROFIL connection modules and to preventing disconnection in the case of disconnection modules



Order No.	Disconnection plug 2/1	Pack
6089 3 055-00	LSA-Disconnection plug 2/1, red	100 pcs
6089 3 055-01	LSA-Disconnection plug 2/1, white	100 pcs
6089 3 055-02	LSA-Disconnection plug 2/1, green	100 pcs
6089 3 055-03	LSA-Disconnection plug 2/1, yellow	100 pcs
6089 3 055-04	LSA-Disconnection plug 2/1, grey	100 pcs
6089 3 055-05	LSA-Disconnection plug 2/1, black	100 pcs
6089 3 055-06	LSA-Disconnection plug 2/1, brown	100 pcs
6089 3 055-07	LSA-Disconnection plug 2/1, blue	100 pcs

For opening of connections (1 pair) in LSA-PLUS/PROFIL disconnection modules.



LSA-Disconnection Plugs, Adapters

Order No.	Disconnection plug 2/10	Pack
6418 1 810-00	LSA-Disconnection plug 2/10	1 pc

For opening of connections (10 pairs) in LSA-PLUS/PROFIL disconnection module.

Order No.	Disconnection plug 2/10	Pack
6418 1 811-00	LSA-Disconnection plug 2/8	1 pc

For opening of connections (8 pairs) in LSA-PLUS/PROFIL disconnection module.

Order No.	Changeover adapter 2/1	Pack
6089 2 093-00	LSA-Changeover adapter 2/1, blank	1 pc

For interruption-free switching of installation wiring on LSA-LUS/PROFIL connection and disconnection modules.

Order No.	Disconnection adapter 2/1	Pack
6089 2 098-00	LSA-Disconnection adapter 2/1	1 pc

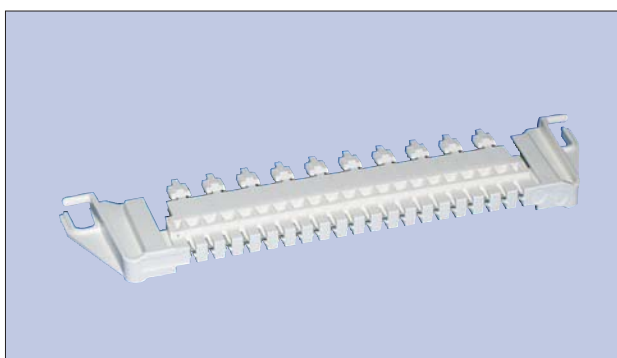
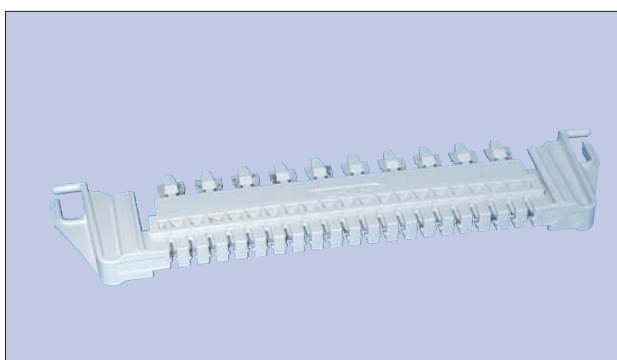
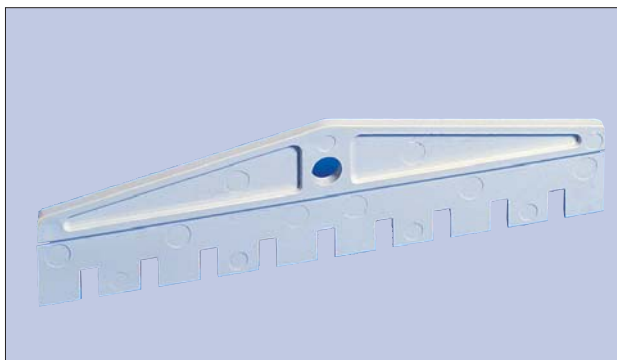
For LSA-PLUS/PROFIL disconnection modules, disconnects the jumpered line and taps the wire from one side.

Order No.	Changeover adapter 2/10	Pack
6089 2 081-01	LSA-Changeover adapter 2/10, blank	1 pc

For interruption-free switching of installation wiring on LSA-LUS/PROFIL connection and disconnection modules.

Order No.	Disconnection adapter 2/10	Pack
6089 2 099-00	LSA-Disconnection adapter 2/10, printed 1-0	1 pc

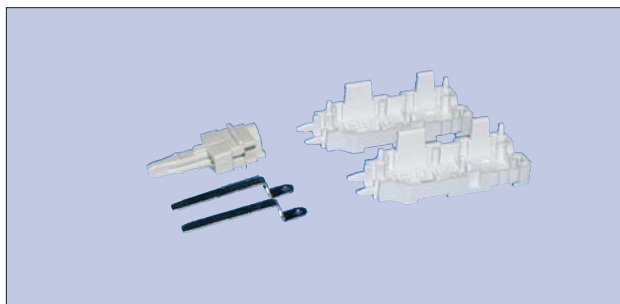
For LSA-PLUS/PROFIL disconnection modules, disconnects the jumpered line and taps the wire from one side.



LSA-Plug Kits

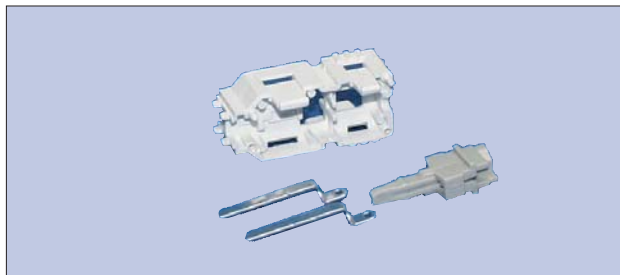
Order No.	Plug kit 1x2-pole for connection modules	Pack
6624 2 201-04	LSA-Plug kit 2/1, printed, grey	1 pc
6624 2 201-00	LSA-Plug kit 2/1, blank, grey	1 pc

Plug kit for user assembly. For parallel connection.
For use with LSA-PLUS/PROFIL connection and disconnection modules.



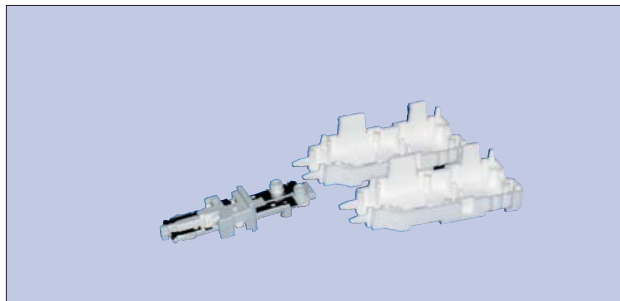
Order No.	Extension kit for plugs for connection module	Pack
6089 3 060-00	LSA-Plug input contacts 2/1	1 pc
6089 3 063-00	LSA-Plug blade contacts 2/1	1 pc
6418 2 016-00	LSA-Plug centre section 2/-	1 pc

2-pole extension kit for LSA plug 2/1. For use with LSA-PLUS/PROFIL connection and disconnection modules.



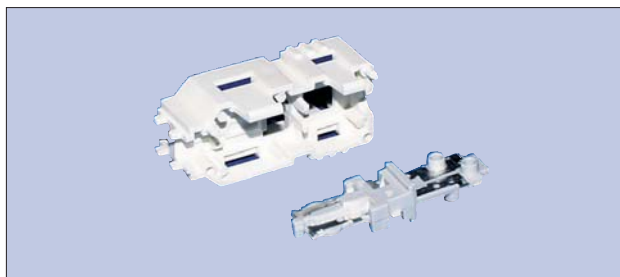
Order No.	2x2-pole plug for disconnection and switching modules	Pack
6624 2 401-04	LSA-Plug kit 2/2, printed, white	1 pc
6624 2 401-00	LSA-Plug kit 2/2, blank, white	1 pc
6660 2 401-00	LSA-Plug kit 2/2, white, one way safety version	1 pc

Plug kit for user assembly, with disconnect function (not to be used for LSA-PLUS/PROFIL connection modules)



Order No.	Extension kit for plug for disconnection and switching modules	Pack
6418 2 005-00	LSA plug insert 2/2	1 pc
6418 2 016-00	LSA plug centre section 2/-	1 pc

4-pole extension kit for LSA-plug 2/2. For use with LSA-PLUS/PROFIL connection and switching modules.



Order No.	Assembled and connected plugs	Pack
6624 2 121-02	LSA short circuit plug 2/2	1 pc
6624 2 121-04	LSA cross over plug 2/2	1 pc

4-pole LSA plug 2/2 for LSA-disconnection and switching modules.
Short circuit plug: a with b and a' with b' connected.

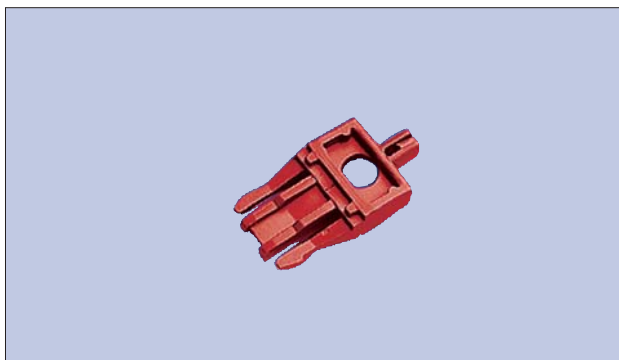
Cross over plug twists a with b. (a with b' and b with a' connected)



LSA-Plugs, Plug Kits for 3-wire circuits

Order No.	Disconnection plugs 3-pole	Pack
6417 3 100-00	LSA-Disconnection plug 2/3, red	100 pcs
6417 3 100-01	LSA-Disconnection plug 2/3, white	100 pcs
6417 3 100-02	LSA-Disconnection plug 2/3, green	100 pcs
6417 3 100-03	LSA-Disconnection plug 2/3, yellow	100 pcs
6417 3 100-04	LSA-Disconnection plug 2/3, green	100 pcs
6417 3 100-05	LSA-Disconnection plug 2/3, black	100 pcs
6417 3 100-06	LSA-Disconnection plug 2/3, brown	100 pcs
6417 3 100-07	LSA-Disconnection plug 2/3, blue	100 pcs

For opening connections in LSA-PLUS-disconnection modules 2/6x3 and LSA-PLUS-disconnection modules 2/8x3 abs.



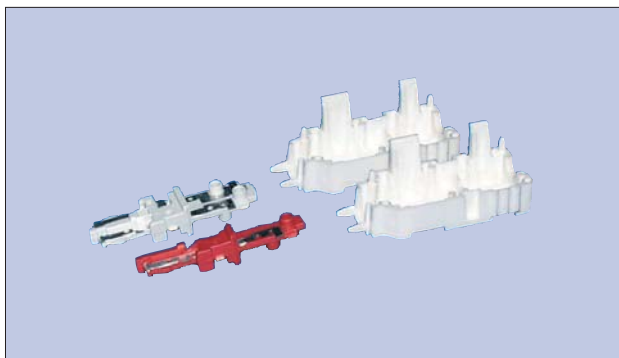
Order No.	Dummy plugs 3-pole	Pack
6417 3 101-00	LSA-Dummy plug 2/3, red	100 pcs
6417 3 101-01	LSA-Dummy plug 2/3, white	100 pcs
6417 3 101-02	LSA-Dummy plug 2/3, green	100 pcs
6417 3 101-03	LSA-Dummy plug 2/3, yellow	100 pcs
6417 3 101-04	LSA-Dummy plug 2/3, grey	100 pcs
6417 3 101-05	LSA-Dummy plug 2/3, black	100 pcs
6417 3 101-06	LSA-Dummy plug 2/3, brown	100 pcs
6417 3 101-07	LSA-Dummy plug 2/3, blue	100 pcs

For marking of wires and to prevent access to LSA-PLUS-disconnection modules 2/6x3 and LSA-PLUS-disconnection modules 2/8x3 abs.



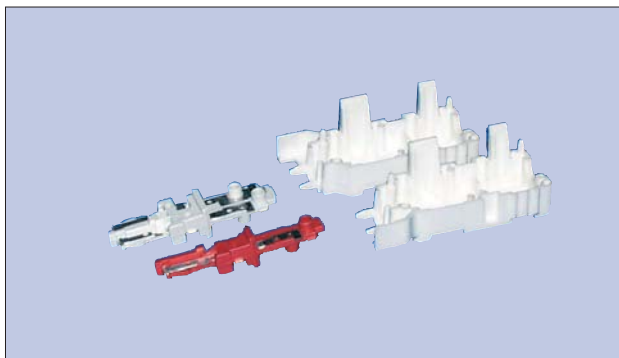
Order No.	2x3-Pole plugs for disconnection and switching modules	Pack
6626 2 601-00	LSA-Plug kit 2/6, grey/grey	1 pc
6626 2 601-50	LSA-Plug kit 2/6, grey/red	1 pc

6-pole (2x3) plug kit for LSA disconnection and switching modules, for jumpering or for testing in both sides.



Order No.	2x3-pole plug kit for disconnection and switching modules, one-way safety version	Pack
6661 2 601-00	LSA-Plug kit 2/6, grey/grey, one-way safety version	1 pc
6661 2 601-50	LSA-Plug kit 2/6, grey/red, one-way safety version	1 pc

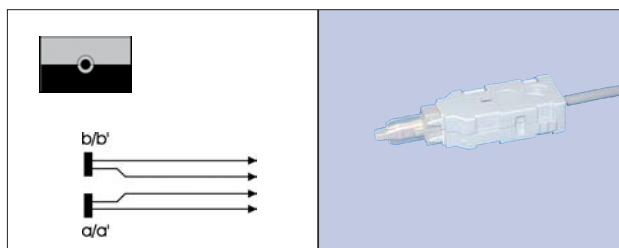
6-pole (2x3) plug kit for LSA disconnection and switching modules, for jumpering or for testing in both sides. One-way safety version.



LSA-Cords for connection modules

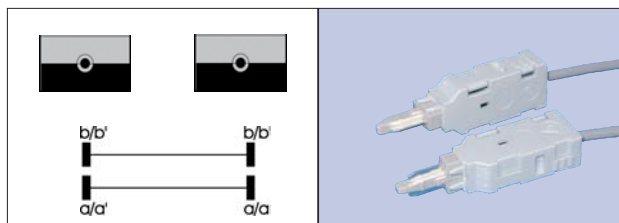
Order No.	LSA-Cords 2-pole for configuration	Pack
6624 2 071-01	LSA-Cord-2/1/2 open, 2p, 1.0m	1 pc
6624 2 071-00	LSA-Cord-2/1/2 open, 2p, 1.5m	1 pc
6624 2 071-02	LSA-Cord-2/1/2 open, 2p, 2.0m	1 pc
6624 2 071-03	LSA-Cord-2/1/2 open, 2p, 3.0m	1 pc
6624 2 071-04	LSA-Cord-2/1/2 open, 2p, 4.0m	1 pc

Connection cord 2/1, 2-pole, open at one end, with one LSA-PLUS plug 2/1.



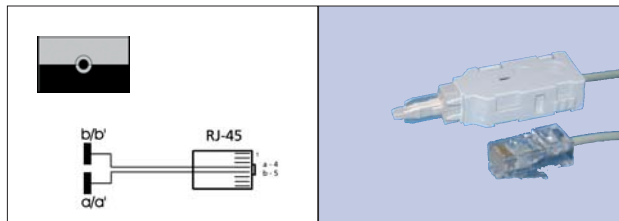
Order No.	LSA to LSA patch cords, 2-pole	Pack
6624 2 081-01	LSA-Cord-2/1/2-2/1/2, 2p, 1.0m	1 pc
6624 2 081-00	LSA-Cord-2/1/2-2/1/2, 2p, 1.5m	1 pc
6624 2 081-02	LSA-Cord-2/1/2-2/1/2, 2p, 2.0m	1 pc
6624 2 081-03	LSA-Cord-2/1/2-2/1/2, 2p, 3.0m	1 pc
6624 2 081-04	LSA-Cord-2/1/2-2/1/2, 2p, 4.0m	1 pc

Connection cord 2/1, 2-pole, fitted with two LSA-PLUS plugs 2/1 for parallel connection.



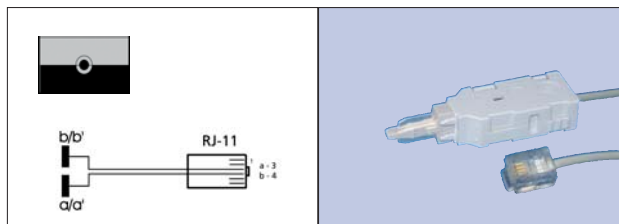
Order No.	LSA to RJ45 patch cords, 2-pole	Pack
0637 0 008-54	LSA-Cord-2/1/2-RJ45, 2p, 1.0m	1 pc
0637 0 008-09	LSA-Cord-2/1/2-RJ45, 2p, 1.5m	1 pc
0637 0 008-55	LSA-Cord-2/1/2-RJ45, 2p, 2.0m	1 pc
0637 0 009-17	LSA-Cord-2/1/2-RJ45, 2p, 3.0m	1 pc
0637 0 009-10	LSA-Cord-2/1/2-RJ45, 2p, 4.0m	1 pc

Connection cord 2/1, 2-pole, fitted with one LSA-PLUS plug 2/1 and one RJ-45 plug for patchpanels.



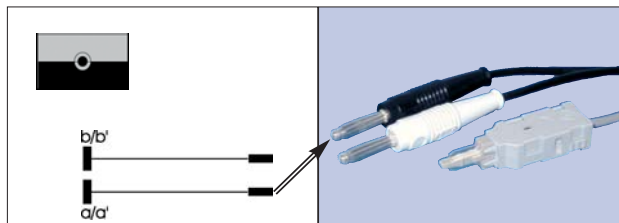
Order No.	LSA to RJ11 patch cords, 2-pole	Pack
0637 0 008-08	LSA-Cord-2/1/2-RJ11, 2p, 1.5m	1 pc
0637 0 008-56	LSA-Cord-2/1/2-RJ11, 2p, 3.0m	1 pc
0637 0 008-57	LSA-Cord-2/1/2-RJ11, 2p, 4.0m	1 pc

Connection cord 2/1, 2-pole, fitted with one LSA-PLUS plug 2/1 and one RJ-11 plug for telephone patchpanels.



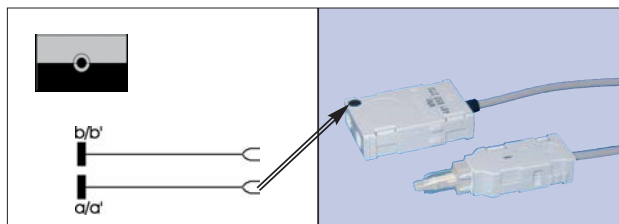
Order No.	LSA-Test cords with 2 banana plugs	Pack
6624 2 061-07	LSA-Cord-2/1/2-2BS, 2p, 0.2m	1 pc
6624 2 061-01	LSA-Cord-2/1/2-2BS, 2p, 1.0m	1 pc
6624 2 061-00	LSA-Cord-2/1/2-2BS, 2p, 1.5m	1 pc
6624 2 061-02	LSA-Cord-2/1/2-2BS, 2p, 2.0m	1 pc
6624 2 061-03	LSA-Cord-2/1/2-2BS, 2p, 3.0m	1 pc

Test cord 2/1, 2-pole, fitted with one LSA-PLUS plug 2/1 and two banana plugs.



Order No.	LSA-Test cords with 2 couplings for banana plugs	Pack
6624 2 040-09	LSA-Cord-2/1/2-2KP, 2p, 0.2m	1 pc
6624 2 040-01	LSA-Cord-2/1/2-2KP, 2p, 1.0m	1 pc
6624 2 040-00	LSA-Cord-2/1/2-2KP, 2p, 1.5m	1 pc
6624 2 040-02	LSA-Cord-2/1/2-2KP, 2p, 2.0m	1 pc
6624 2 040-03	LSA-Cord-2/1/2-2KP, 2p, 3.0m	1 pc

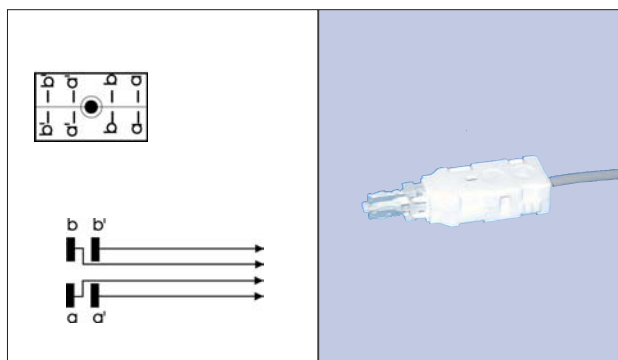
Test cord 2/1, 2-pole, fitted with one LSA-PLUS plug 2/1 and one coupling for two banana plugs.



LSA-Cords for disconnection and switching modules

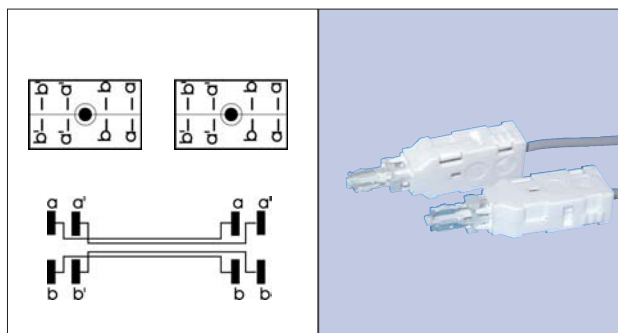
Order No.	LSA-Cords, 4-pole, for configuration	Pack
6624 2 701-01	LSA-Cord-2/2/4-open, 4p, 1.0m	1 pc
6624 2 701-00	LSA-Cord-2/2/4-open, 4p, 1.5m	1 pc
6624 2 701-02	LSA-Cord-2/2/4-open, 4p, 2.0m	1 pc
6624 2 701-03	LSA-Cord-2/2/4-open, 4p, 3.0m	1 pc
6624 2 701-04	LSA-Cord-2/2/4-open, 4p, 4.0m	1 pc

Connection cord 2/2, 4-pole, open at one end, with one LSA-PLUS plug 2/2.



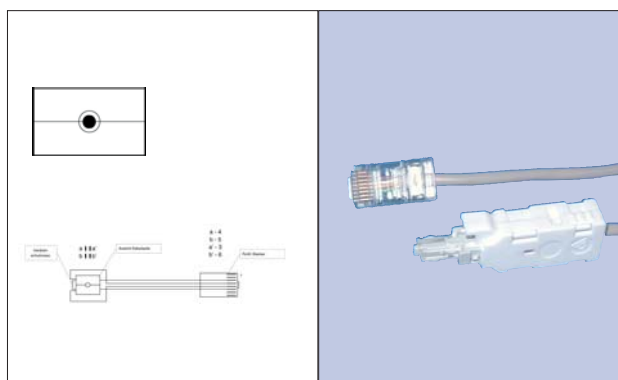
Order No.	LSA-Patch cords, 4-pole	Pack
6624 2 801-01	LSA-Cord-2/2/4-2/2/4, 4p, 1.0m	1 pc
6624 2 801-00	LSA-Cord-2/2/4-2/2/4, 4p, 1.5m	1 pc
6624 2 801-02	LSA-Cord-2/2/4-2/2/4, 4p, 2.0m	1 pc
6624 2 801-03	LSA-Cord-2/2/4-2/2/4, 4p, 3.0m	1 pc
6624 2 801-04	LSA-Cord-2/2/4-2/2/4, 4p, 4.0m	1 pc

Connection cord 2/2, 4-pole with two LSA-PLUS plugs 2/2.



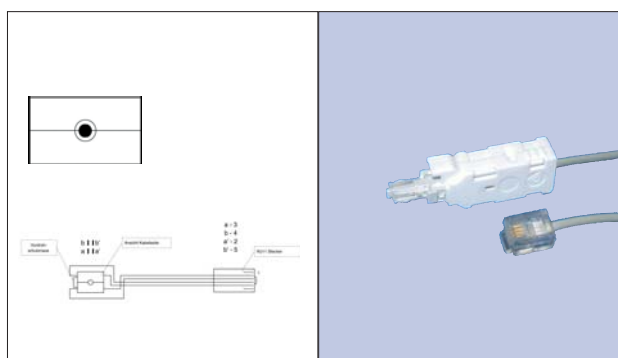
Order No.	LSA to RJ45 patch cords, 4-pole one-way safety version	Pack
0637 0 007-34	LSA-Cord-2/2/4-RJ45, 4p, 1.5m Type A	1 pc
0637 0 009-06	LSA-Cord-2/2/4-RJ45, 4p, 2.0m Type A	1 pc
0637 0 008-44	LSA-Cord-2/2/4-RJ45, 4p, 3.0m Type A	1 pc
0637 0 008-92	LSA-Cord-2/2/4-RJ45, 4p, 4.0m Type A	1 pc

Connection cord 2/2, 4-pole with one one-way safety LSA-PLUS plug 2/2 for disconnection and switching modules and one RJ45-plug for patchpanels.



Order No.	LSA to RJ11 patch cords, 4-pole one-way safety version	Pack
0637 0 009-41	LSA-Cord-2/2/4-RJ11, 4p, 1.0m	1 pc
0637 0 009-42	LSA-Cord-2/2/4-RJ11, 4p, 1.5m	1 pc
0637 0 009-21	LSA-Cord-2/2/4-RJ11, 4p, 2.0m	1 pc
0637 0 009-22	LSA-Cord-2/2/4-RJ11, 4p, 4.0m	1 pc

Connection cord 2/1, 2-pole with one one-way safety LSA-PLUS plug 2/1 for connection modules and one RJ11-plug for telephone patchpanels.

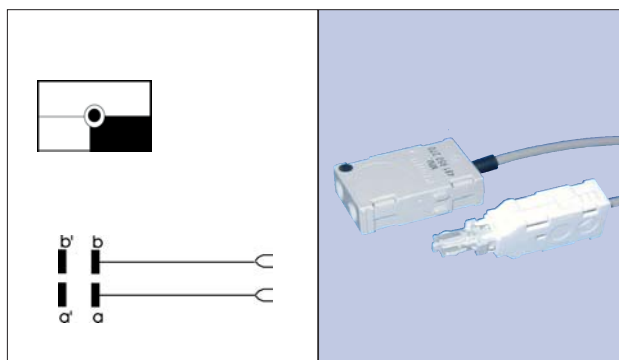


Further types and lengths on request.

LSA-Cords for disconnection and switching modules

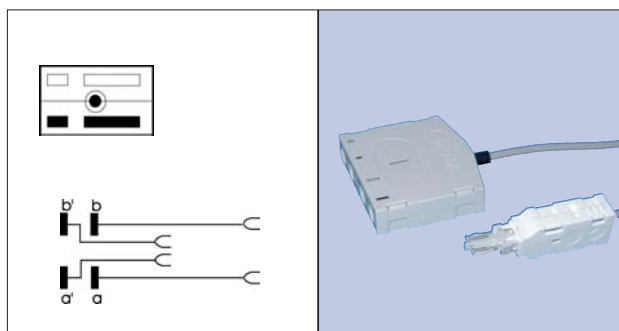
Order No.	LSA-Test cord with two banana plugs	Pack
6624 2 320-09	LSA-Cord-2/2/4-2 KP, 2p, 0.12m	1 pc
6624 2 320-01	LSA-Cord-2/2/4-2 KP, 2p, 1.0m	1 pc
6624 2 320-00	LSA-Cord-2/2/4-2 KP, 2p, 1.5m	1 pc
6624 2 320-02	LSA-Cord-2/2/4-2 KP, 2p, 2.0m	1 pc
6624 2 320-04	LSA-Cord-2/2/4-2 KP, 2p, 4.0m	1 pc

Test cord 2/2, 2-pole, fitted with one LSA-PLUS plug 2/2 and one coupling for two banana plugs.



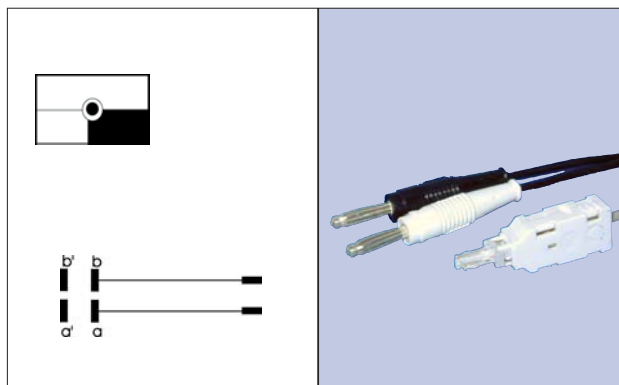
Order No.	LSA-Test cord with coupling for 4 banana plugs	Pack
6624 2 340-09	LSA-Cord-2/2/4-4 KP, 4p, 0.2m	1 pc
6624 2 340-01	LSA-Cord-2/2/4-4 KP, 4p, 1.0m	1 pc
6624 2 340-00	LSA-Cord-2/2/4-4 KP, 4p, 1.5m	1 pc
6624 2 340-02	LSA-Cord-2/2/4-4 KP, 4p, 2.0m	1 pc
6624 2 340-03	LSA-Cord-2/2/4-4 KP, 4p, 3.0m	1 pc
6624 2 340-04	LSA-Cord-2/2/4-4 KP, 4p, 4.0m	1 pc

Test cord 2/2, 4-pole, fitted with one LSA-PLUS plug 2/2 and one coupling for four banana plugs.



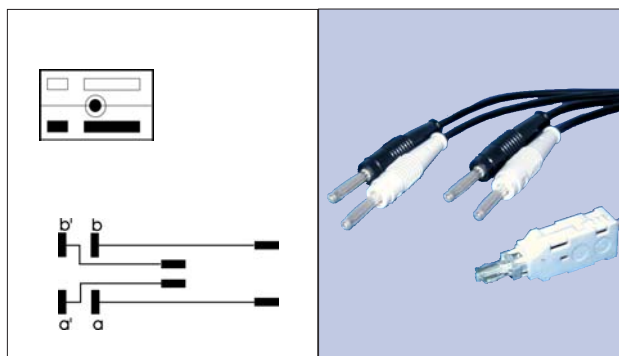
Order No.	LSA-Test cord with 2 banana plugs	Pack
6624 2 521-07	LSA-Cord-2/2/4-2 BS, 2p, 0.05m	1 pc
6624 2 521-01	LSA-Cord-2/2/4-2 BS, 2p, 1.0m	1 pc
6624 2 521-00	LSA-Cord-2/2/4-2 BS, 2p, 1.5m	1 pc
6624 2 521-02	LSA-Cord-2/2/4-2 BS, 2p, 2.0m	1 pc
6624 2 521-03	LSA-Cord-2/2/4-2 BS, 2p, 3.0m	1 pc
6624 2 521-04	LSA-Cord-2/2/4-2 BS, 2p, 4.0m	1 pc

Test cord 2/2, 2-pole, fitted with one LSA-PLUS plug 2/2 and 2 banana plugs.



Order No.	LSA-Test cord with 4 banana plugs	Pack
6624 2 541-07	LSA-Cord-2/2/4-4 BS, 4p, 0.05m	1 pc
6624 2 541-01	LSA-Cord-2/2/4-4 BS, 4p, 1.0m	1 pc
6624 2 541-00	LSA-Cord-2/2/4-4 BS, 4p, 1.5m	1 pc
6624 2 541-02	LSA-Cord-2/2/4-4 BS, 4p, 2.0m	1 pc
6624 2 541-03	LSA-Cord-2/2/4-4 BS, 4p, 3.0m	1 pc
6624 2 541-04	LSA-Cord-2/2/4-4 BS, 4p, 4.0m	1 pc

Test cord 2/2, 2-pole, fitted with one LSA-PLUS plug 2/2 and 4 banana plugs.

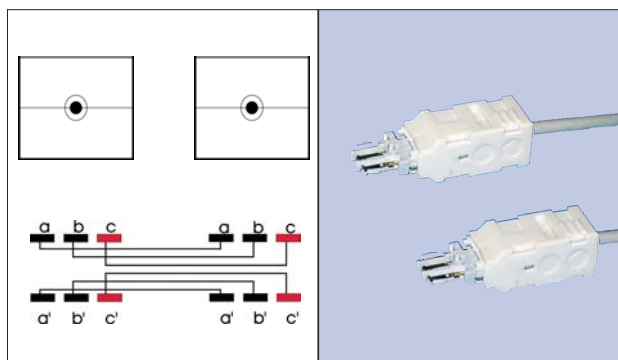


Further types and lengths on request.

LSA-Cords for disconnection and switching modules for 3 wire circuit

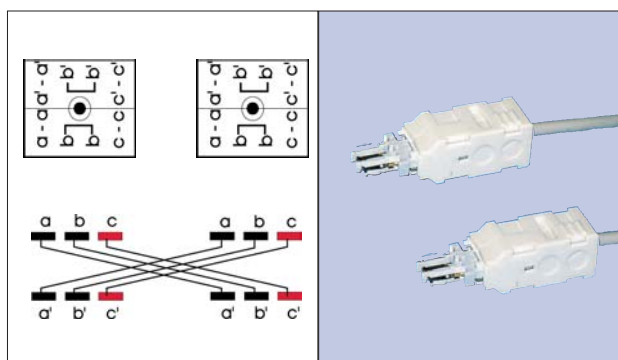
Order No.	LSA-Patch cord 6-pole	Pack
6626 2 901-01	LSA-Cord-2/3/6-2/3/6, 6p, 1.0m	1 pc
6626 2 901-00	LSA-Cord-2/3/6-2/3/6, 6p, 1.5m	1 pc
6626 2 901-02	LSA-Cord-2/3/6-2/3/6, 6p, 2.0m	1 pc
6626 2 901-03	LSA-Cord-2/3/6-2/3/6, 6p, 3.0m	1 pc
6626 2 901-04	LSA-Cord-2/3/6-2/3/6, 6p, 4.0m	1 pc

Connection cord 2/3, 6-pole, fitted with two LSA-PLUS plug 2/6 for LSA-PLUS switching and disconnection for 3 wire circuits.



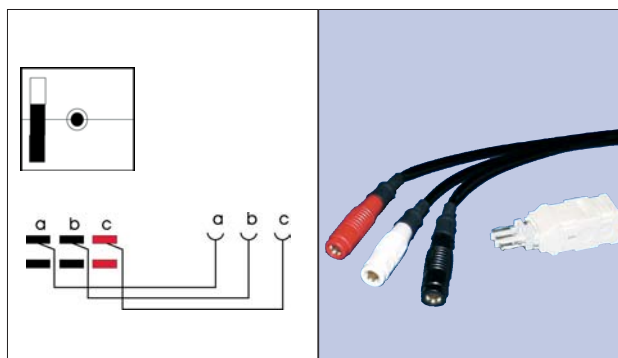
Order No.	LSA-Patch cord 6-pole, crossed version	Pack
6451 2 002-01	LSA-Cord-2/3/6-2/3/6, 6p, 1.0m abc-a'b'c'	1 pc
6451 2 002-02	LSA-Cord-2/3/6-2/3/6, 6p, 2.0m abc-a'b'c'	1 pc
6451 2 002-03	LSA-Cord-2/3/6-2/3/6, 6p, 3.0m abc-a'b'c'	1 pc

Connection cord 2/3, 6-pole, fitted with two LSA-PLUS plug 2/6 for LSA-PLUS switching and disconnection modules for 3 wire circuits. Crossed version.



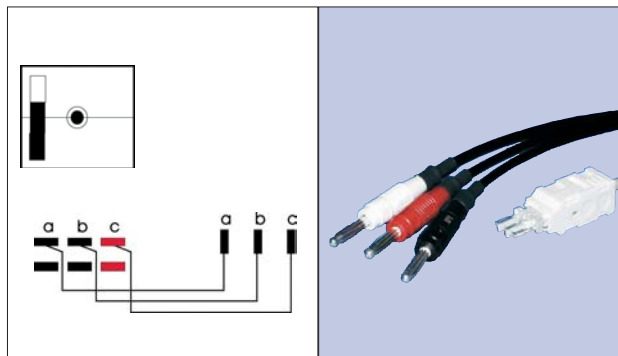
Order No.	LSA-Test cord 3-pole with 3 coupling for banana plugs	Pack
6626 2 331-01	LSA-Cord-2/3/6-3KP, 3p, 1.0m	1 pc
6626 2 331-00	LSA-Cord-2/3/6-3KP, 3p, 1.5m	1 pc
6626 2 331-02	LSA-Cord-2/3/6-3KP, 3p, 2.0m	1 pc
6626 2 331-03	LSA-Cord-2/3/6-3KP, 3p, 3.0m	1 pc

Test cord 2/3, 3-pole, fitted with one LSA-PLUS plug 2/6 for LSA-PLUS switching and disconnection modules for 3 wire circuits and three couplings for banana plugs.



Order No.	LSA-Test cord 3-pole with 3 banana plugs	Pack
6626 2 531-01	LSA-Cord-2/3/6-3BS, 3p, 1.0m	1 pc
6626 2 531-00	LSA-Cord-2/3/6-3BS, 3p, 1.5m	1 pc
6626 2 531-02	LSA-Cord-2/3/6-3BS, 3p, 2.0m	1 pc
6626 2 531-03	LSA-Cord-2/3/6-3BS, 3p, 3.0m	1 pc

Test cord 2/3, 3-pole, fitted with one LSA-PLUS plug 2/6 for LSA-PLUS switching and disconnection modules for 3 wire circuits and three banana plugs.



Further types and lengths on request.