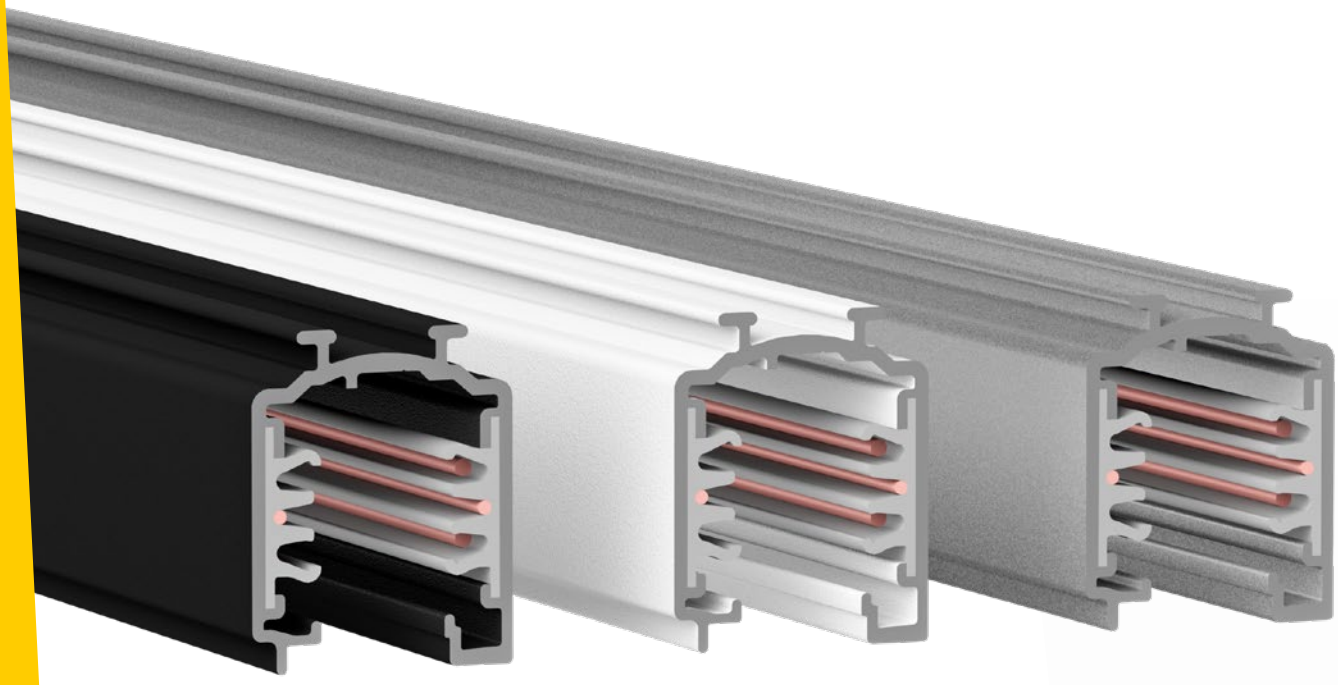
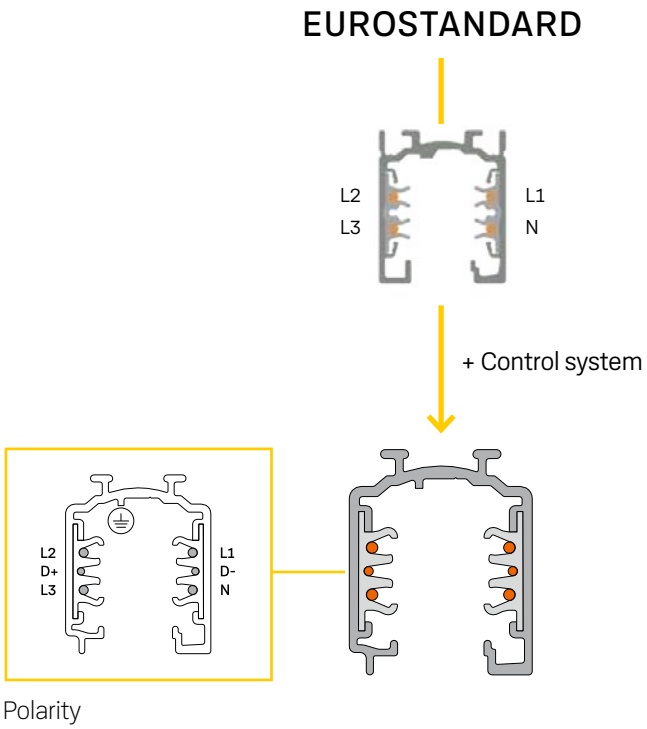


ONETRACK
CONTACT TRACK

THE NEW UNIVERSAL SYSTEM FOR PRESENT AND FUTURE REQUIREMENTS

LTS

ONETRACK
THE FLEXIBLE SOLUTION



The new track ONETrack combines the currently available systems on the market. It has 6-conductors with individually switchable circuits and in addition it is equipped with a control system. ONETrack is therefore an ideal solution for realization of lighting with DALI and also for Human Centric Lighting applications.

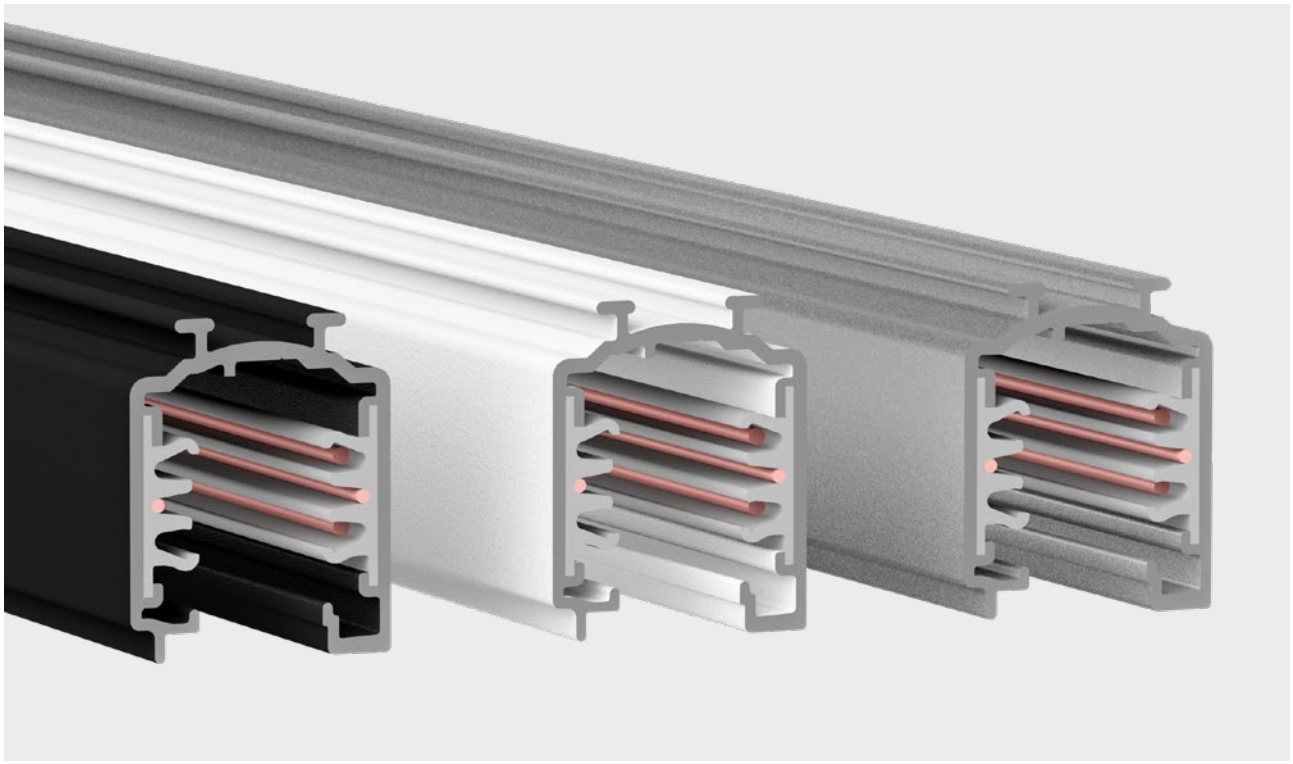
At every phase of the project, without any restrictions, one has the ability to decide on new lights that should be used.

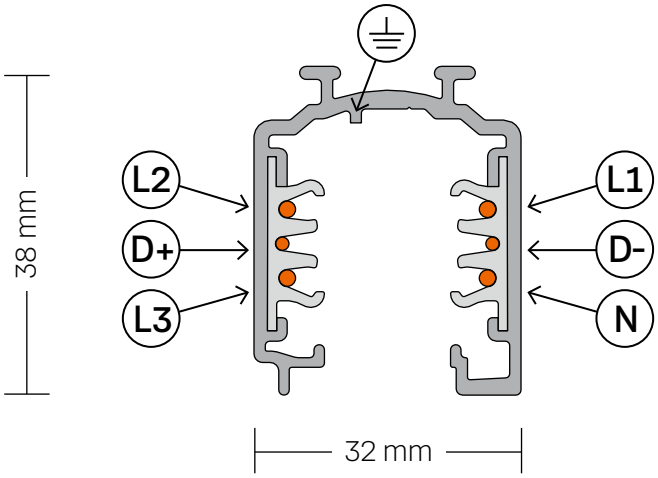
The track is available in built-in or surface-mounted variants and thus it is a universal and above all future-proof single solution.

With a versatile range of connectors, ONETrack can be tailor made for any length and shape requirements. This universal system also allows on-site length adjustment through easy shortening. Thanks to the intelligently designed accessories they successfully aid in easy installation.

The new track is a perfect companion for our high-efficiency spotlights and linear Lighting solutions.

ONETRACK
SURFACE-MOUNTED





ST-A 10 GR	659387
ST-A 20 GR	659390
ST-A 30 GR	659394
ST-A 40 GR	659397
ST-A 10 SW	659388
ST-A 20 SW	659391
ST-A 30 SW	659395
ST-A 40 SW	659398
ST-A 10 WS	659389
ST-A 20 WS	659392
ST-A 30 WS	659396
ST-A 40 WS	659399

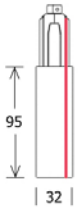
MOUNTING TYPES	COLOUR		LENGHT	
Surface-Mounted	white	(similar to RAL 9010)	ST-A 10/9000-1-ST	1000 mm
Pendant	black	(similar to RAL 9005)	ST-A 20/9000-2-ST	2000 mm
	grey	(Aluminum)	ST-A 30/9000-3-ST	3000 mm
			ST-A 40/9000-4-ST	4000 mm

ELECTROMECHANICAL CONNECTORS | SURFACE-MOUNTED

ST-A F/PE-R/9001

End feeder
polarity right

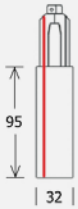
- ☐ 660263
- ▒ 660264
- ■ 660262



ST-A F/PE-L/9002

End feeder
polarity left

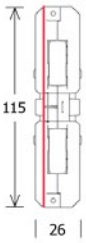
- ☐ 660266
- ▒ 660267
- ■ 660265



ST-IE/9003

Electric linear
connector (inside)

- ☐ 660269
- ▒ 660270
- ■ 660268



ST-A I/9010

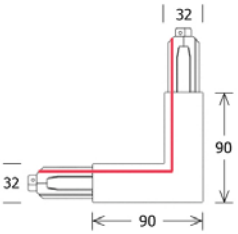
Electric linear
connector

- ☐ 660275
- ▒ 660276
- ■ 660274

ST-A L/PE-IN/9011

L-connector
polarity inside

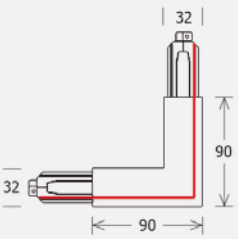
- ☐ 660278
- ▒ 660279
- ■ 660277



ST-A L/PE-OUT/9012

L-connector
polarity outside

- ☐ 660281
- ▒ 660282
- ■ 660280

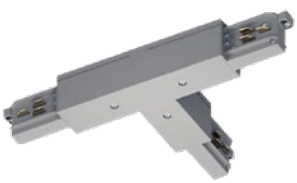


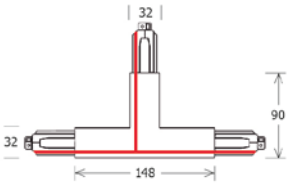
ELECTROMECHANICAL CONNECTORS | SURFACE-MOUNTED

ST-A T/PE-OUT-L/9013

T-connector
polarity outside left

- ☐ 660284
- ▒ 660285
- ■ 660283

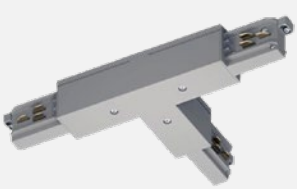


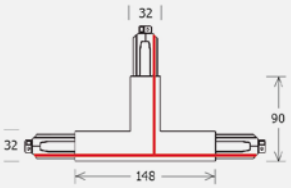


ST-A T/PE-OUT-R/9014

T-connector
polarity outside right

- ☐ 660287
- ▒ 660288
- ■ 660286

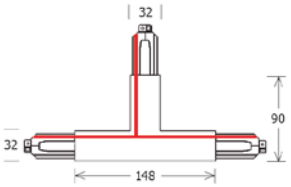




ST-A T/PE-IN-L/9015

T-connector
polarity inside left

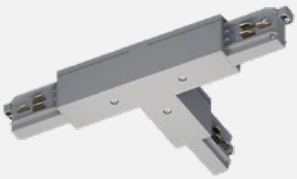
- ☐ 660290
- ▒ 660291
- ■ 660289

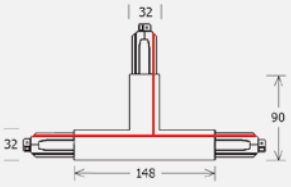


ST-A T/PE-IN-R/9016

T-connector
polarity inside right

- ☐ 660293
- ▒ 660294
- ■ 660292

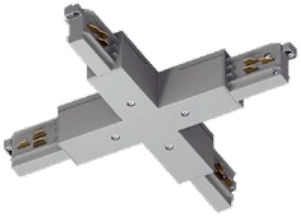


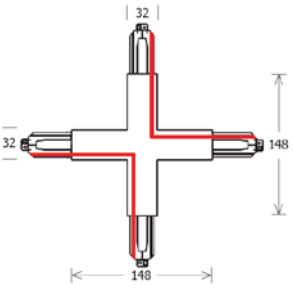


ST-A X/9017

X-connector

- ☐ 660296
- ▒ 660297
- ■ 660295





ST-A FLEX/9018

Flexible connector

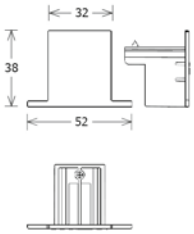
- ☐ 660299
- ▒ 660300
- ■ 660298

ACCESSORIES | SURFACE-MOUNTED

ST-A CAP/9004

End cover

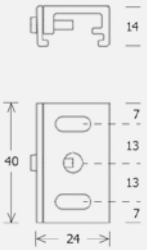
- ☐ 660260
- ▒ 660261
- ■ 660259



ST-A S/S-9000-131

Ceiling bracket

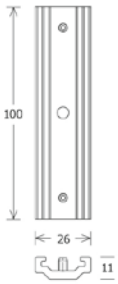
- ☐ 660305
- ▒ 660306 (Aluminium)
- ■ 660304



ST-IM/S-9000-322-LA

Mechanical connector outside

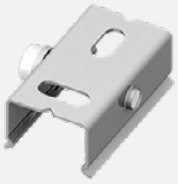
- ☐ 660272
- ▒ 660273 (Aluminium)
- ■ 660271

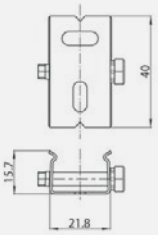


ST-A S/S-9000-111

Ceiling bracket (Steel zinc coated)

662749





ST-ZCUT/S-9000/T-N

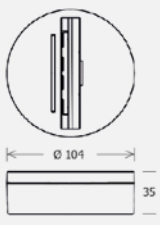
Cutting tool

660673

ST-A MONO/9000-BP-D

3-phase adapter

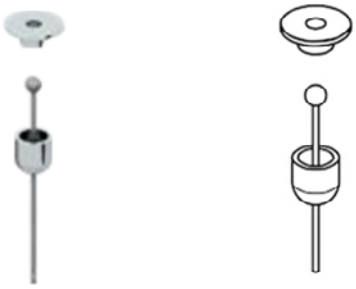
- ☐ 660314
- ▒ 660315
- ■ 660313



ACCESSORIES | SURFACE-MOUNTED

ST-A S/9000-KIT4/1500

Wire-rope suspension
+ fixing clamp
1500 mm
660310

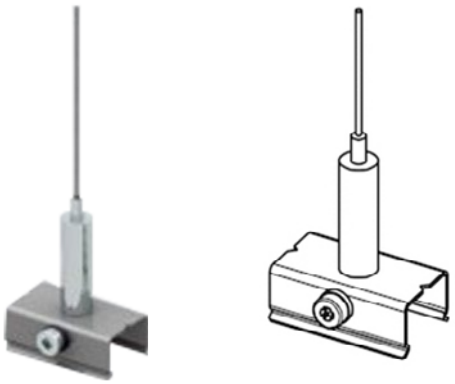


ST-A S/9000-KIT4/3000

Wire-rope suspension
+ fixing clamp
3000 mm
660311

ST-A S/9000-KIT4/5000

Wire-rope suspension
+ fixing clamp
5000 mm
660312



ST-ZCOV/S-9000/TP

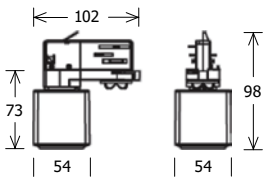
Cap

- ☐ 660680
- ▒ 660675
- ■ 660679

ST-ZSCHUKO/4230V

Socket adapter
for 3-phase track

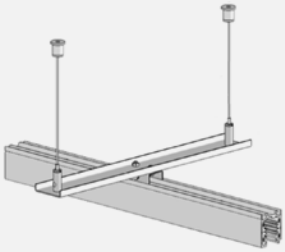
- ☐ 662790
- ■ 662791

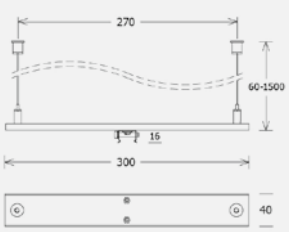


ST-A S28

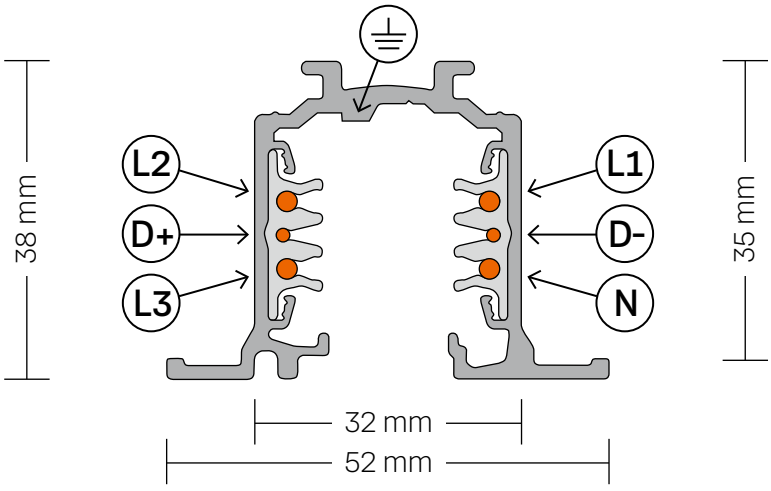
Wire-rope suspension 2-fold
with stabilizer for 3-phase
surface-mounted track

- ☐ 662760
- ■ 662759





ONETRACK
RECESSED



ST-E 10 GR	660318
ST-E 20 GR	660321
ST-E 30 GR	660324
ST-E 40 GR	660327
ST-E 10 SW	660316
ST-E 20 SW	660319
ST-E 30 SW	660322
ST-E 40 SW	660325
ST-E 10 WS	660317
ST-E 20 WS	660320
ST-E 30 WS	660323
ST-E 40 WS	660326

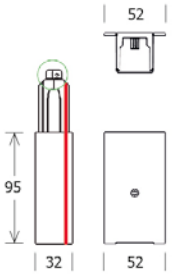
MOUNTING TYPES	COLOUR		LENGHT	
Recessed	white	(similar to RAL 9010)	ST-E 10/9000-1-R	1000 mm
	black	(similar to RAL 9005)	ST-E 20/9000-2-R	2000 mm
	grey	(Aluminum)	ST-E 30/9000-3-R	3000 mm
			ST-E 40/9000-4-R	4000 mm

ELECTROMECHANICAL CONNECTORS | RECESSED

ST-E F/PE-R/9001

End feeder
polarity right

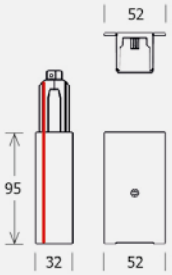
- ☐ 660332
- ▒ 660333
- ■ 660331



ST-E F/PE-L/9002

End feeder
polarity left

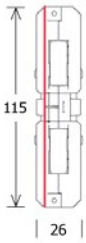
- ☐ 660335
- ▒ 660336
- ■ 660334



ST-IE/9003

Electric linear
connector (inside)

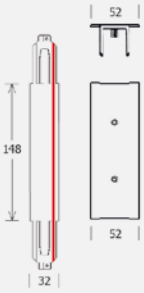
- ☐ 660269
- ▒ 660270
- ■ 660268



ST-E I/9010

Electric linear
connector

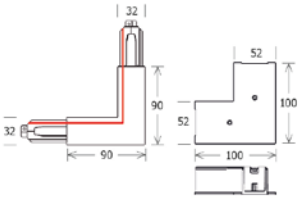
- ☐ 660338
- ▒ 660339
- ■ 660337



ST-E L/PE-IN/9011

L-connector
polarity inside

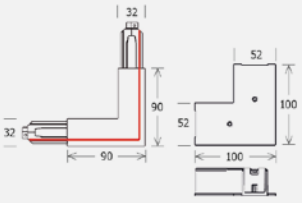
- ☐ 660341
- ▒ 660342
- ■ 660340



ST-E L/PE-OUT/9012

L-connector
polarity outside

- ☐ 660344
- ▒ 660345
- ■ 660343

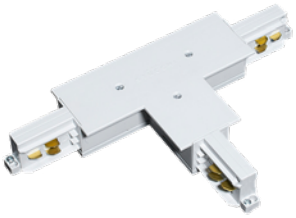


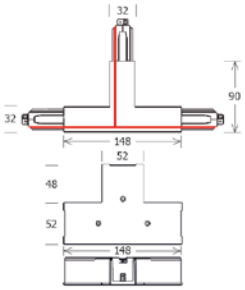
ELECTROMECHANICAL CONNECTORS | RECESSED

ST-E T/PE-OUT-L/9013

T-connector
polarity outside left

- ☐ 660347
- ▒ 660348
- ■ 660346

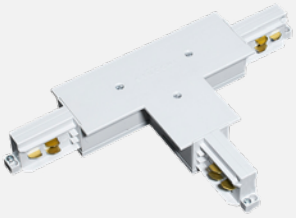


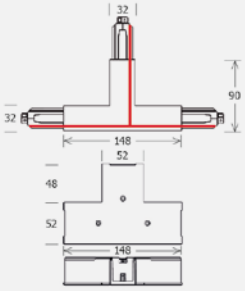


ST-E T/PE-OUT-R/9014

T-connector
polarity outside right

- ☐ 660350
- ▒ 660351
- ■ 660349

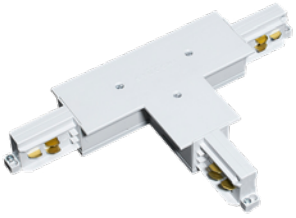


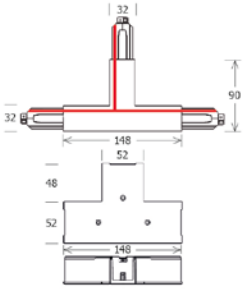


ST-E T/PE-IN-L/9015

T-connector
polarity inside left

- ☐ 660353
- ▒ 660354
- ■ 660352

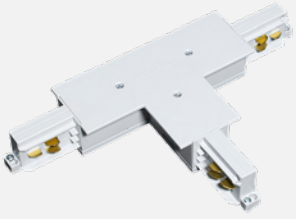


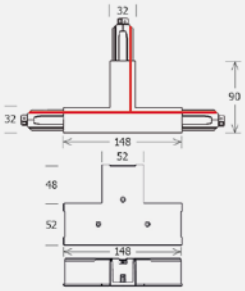


ST-E T/PE-IN-R/9016

T-connector
polarity inside right

- ☐ 660356
- ▒ 660357
- ■ 660355

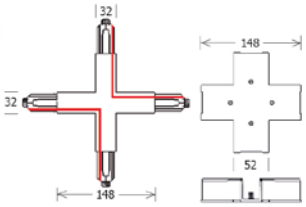




ST-E X/9017 GR

X-connector

- ☐ 660359
- ▒ 660360
- ■ 660358

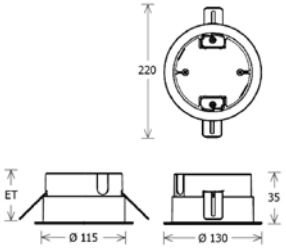


ACCESSORIES | RECESSED

ST-E MONO/9000-BP-D

3-phase adapter

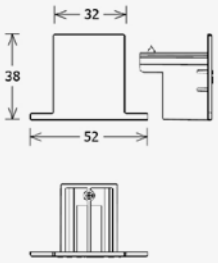
- ☐ 660362
- ▒ 660363
- ■ 660361



ST-E CAP/9004-R

End cover

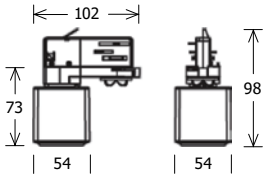
- ☐ 660329
- ▒ 660330
- ■ 660328



ST-ZSCHUKO/4230V

Socket adapter for 3-phase track

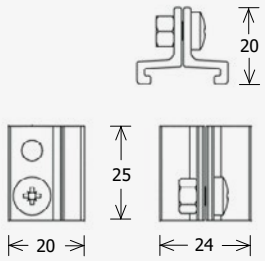
- ☐ 662790
- ■ 662791



ST-E S/S-9000-313

Pendant bracket for 3-phase recessed track

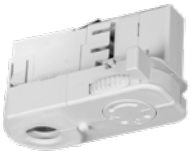
- ▒ 662789 (Aluminium)

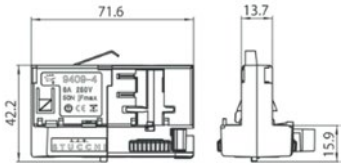


ST-Z LA 30

ONETrack adapter

- ☐ 662668
- ■ 662667

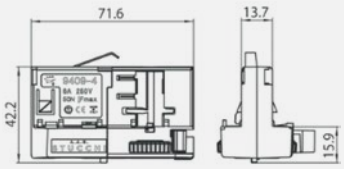




ST-Z LA 30 M10

ONETrack adapter
with threaded nippel M10

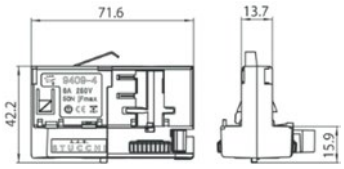
- ☐ 662670
- ■ 662669



ST-Z LA 30 M13

ONETrack adapter
with threaded nippel M13

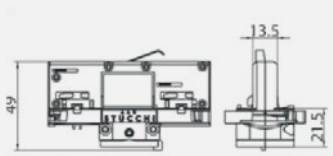
- ☐ 662672
- ■ 662671



ST-Z LAB 30 M13

ONETrack adapter DALI
with threaded nippel M13

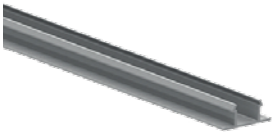
- ☐ 662617
- ■ 662616



ST-ZCOV/S-9000/GP

Cover strip

- ☐ 660677
- ▪ 660674
- ■ 660676



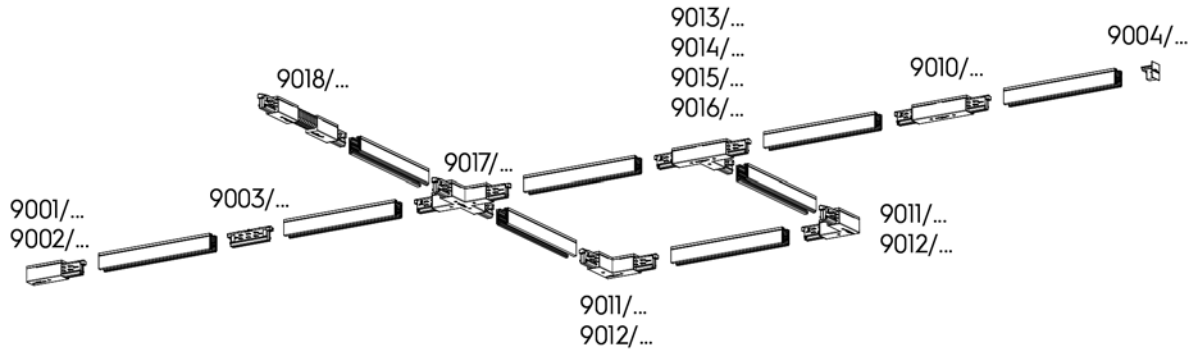
INFORMATION

WARNING
All the operations must be done by specialized personnel only. Exclude voltage plant. Please respect national installation regulations.

LTS allows to use only ONETrack parts in applications where ONETrack system is used. These parts must be installed according to the installation instructions. The company as a manufacturer is not responsible for the safety and functioning of the system if parts not belonging to it are used or if any deviation from the installation instructions occurs.

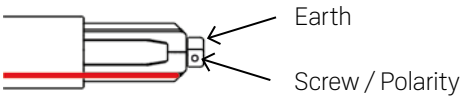
It is then the user's responsibility to ensure the electrical, mechanical and thermal compatibility between the system and the fixtures used with it. The track, its components and also the adapters can't be used with accessories without the Quality Mark. On ONETrack track one can use only ONETrack connections. ONETrack connections can be used only with ONETrack tracks.

Do not exceed listed loading indicated in the relevant section and respect fixing distances during the track mounting.

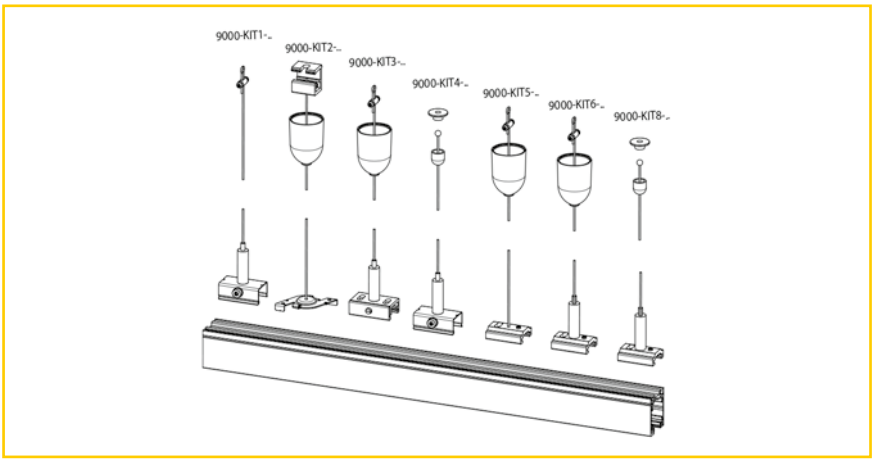


Also end-feeds and connection joints have a mechanical key (screw presence as per picture below) that must be taken into account in order to choose the right component.

In the catalogue sketches of this articles the position of the key is highlighted with a red line.

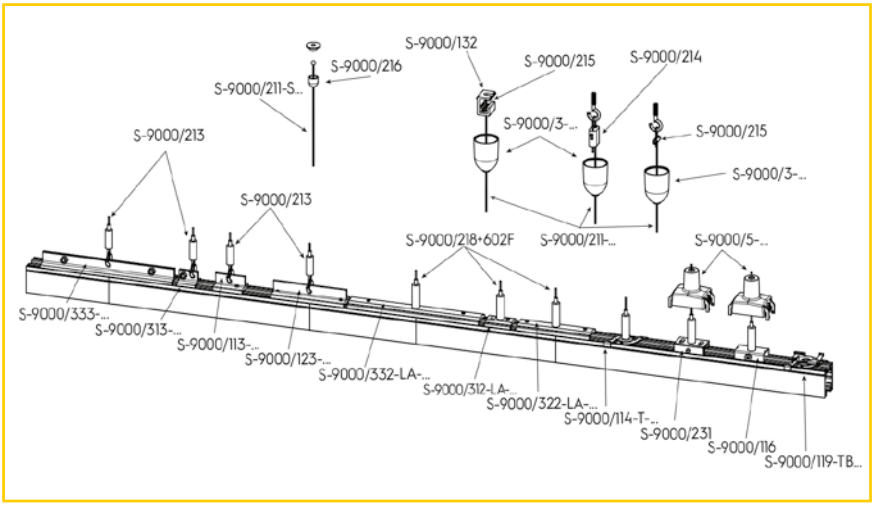


INFORMATION

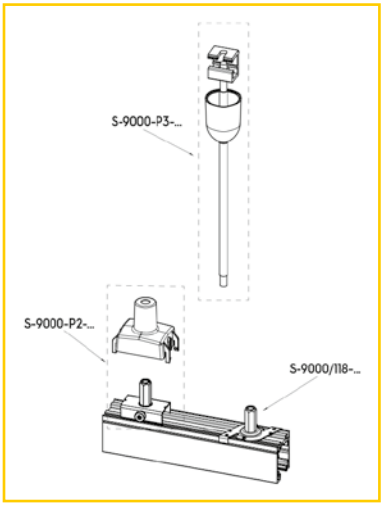


Suspension kits

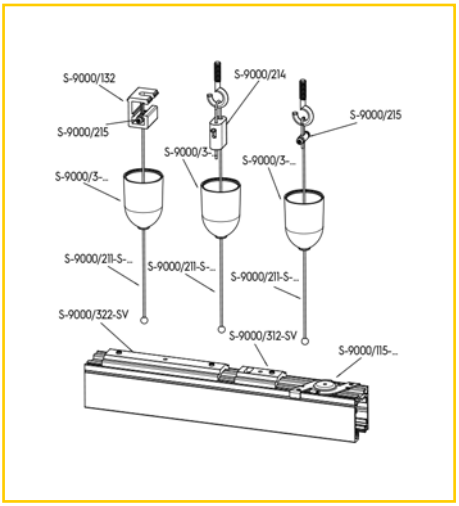
Suspensions with track regulation



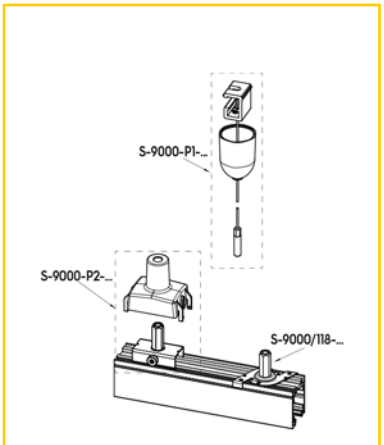
Regid suspension sets



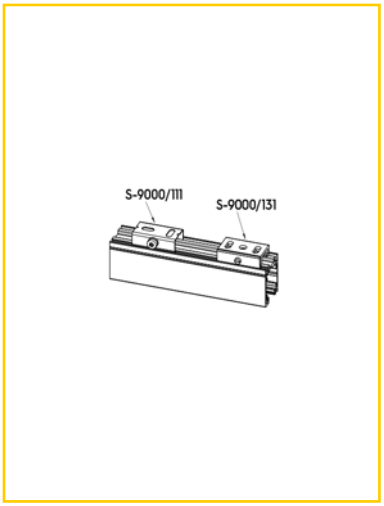
Suspensions with ceiling regulation



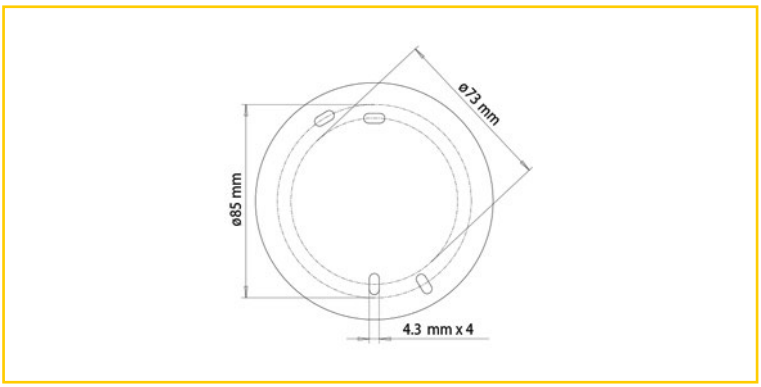
Suspension sets



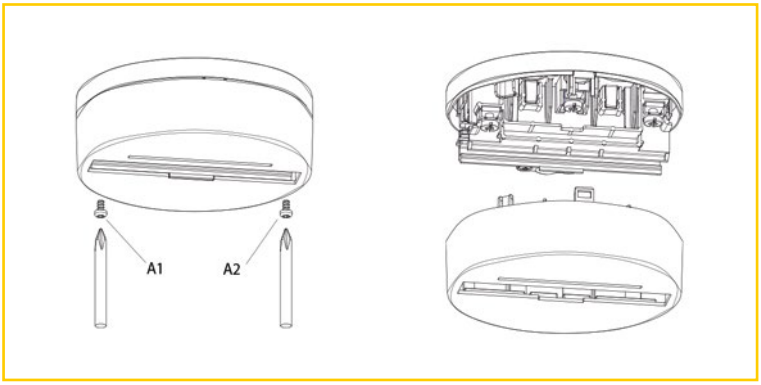
Ceiling fixing



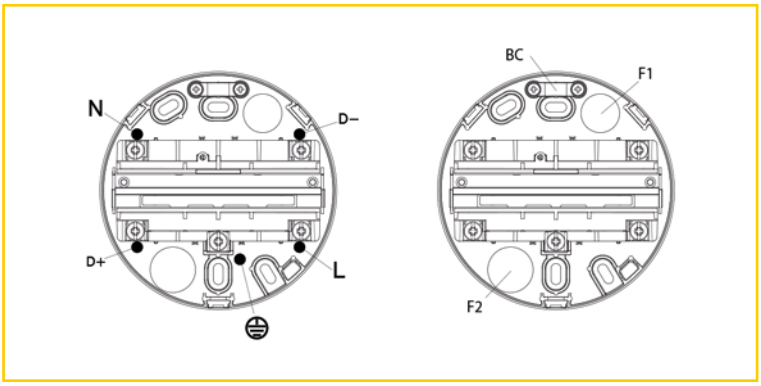
INSTALLATION INSTRACTIONS



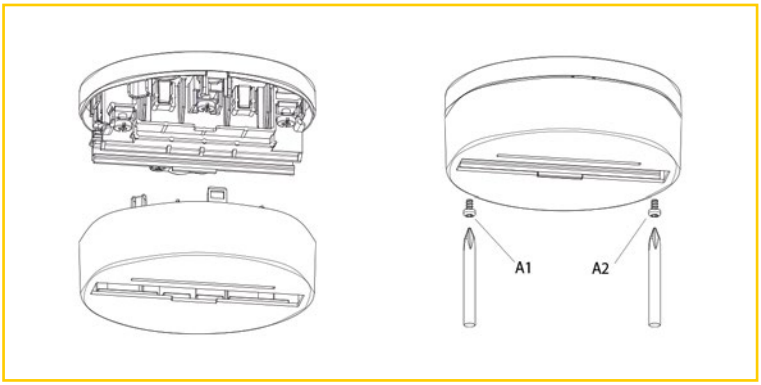
For ceiling or wall fixing please use the needlepoints on the item itself.



Unscrew A1 and A2 screws and remove the cover from the body by pressing lightily on the sides.

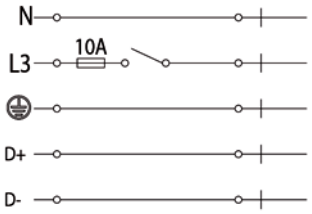


Wire the base as marked on the item using F1 and F2 holes for wire passing or cable lock BC (max 1.5 mm^2) for a side passing. In this last case knock-out the wall on the cover.



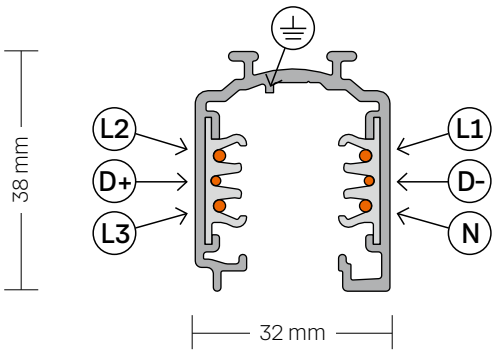
Mount the cover back on the body keeping keys C1 and C2 as a reference. After that screw A1 and A2 screws.

INSTALLATION INSTRACTIONS

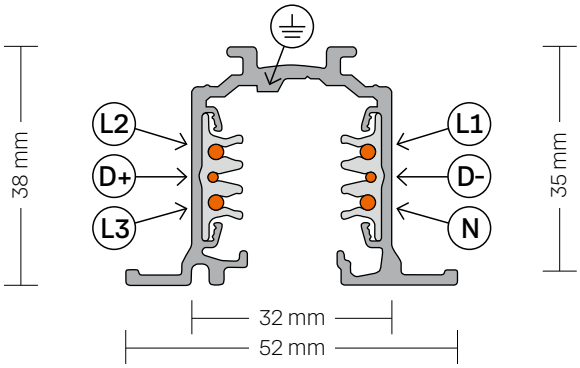


Item 9000/BP-... is a base that allows spotlights to be used without the installation of a track. The base is arranged so that it can be connected with a 1 phase line. On the base you have then 2 additioanl poles (D+ and D-). The maximum load is 50N and bending moment is 2.5Nm. Items 9000/BP-... and 9000/BR-... are compatible with ONETrack adapters 9009... and 9209... Series. For a correct functioning please select Phase L3 on these adapters. Item 9000/BP-... can be fixed on the ceiling or on walls while item 9000/BR-... can be fixed on false ceilings.

Maximum electrical load 2500W (10A e 250V).
Wire section: min 1.5mm^2, max 2.5mm^2. 50V—1A FELV

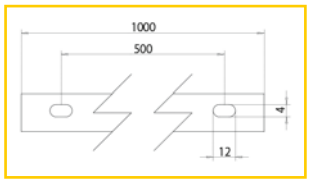


Surface-Mounted track ST-A ...

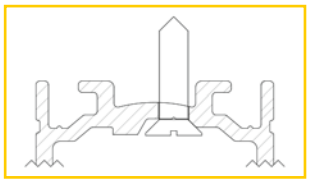


Recessed track ST-E ...

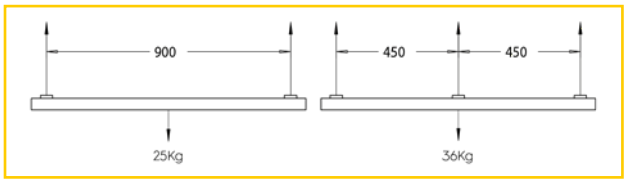
The ONETrack system is a 3 phase mixed system with two additional conductors intended to manage a general data signal (for example dali, dmx, lon, eib, etc.). The system is EN 60570 certified and its installation must be accomplished by highly qualified person. There are four possible installation systems: directly on ceiling or on wall, using the mounting holes (pic. 1a) on the track (use a countersink head screw, pic. 1b), on ceiling or on wall using a metal clip (code S-9000/111), hanging by the suspension (see the catalog) or recessed without exceeding the maximum loads (pic. 2). During the wiring the electrical the scheme of pic. 3 must be followed.



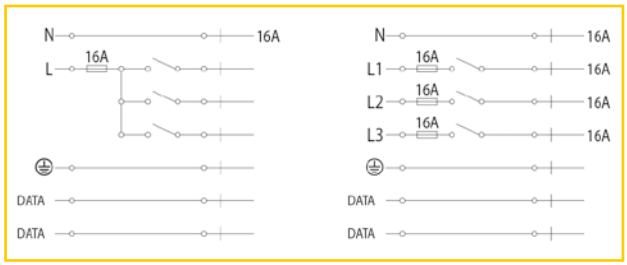
Pic. 1a Mounting holes position



Pic. 1b Screw position

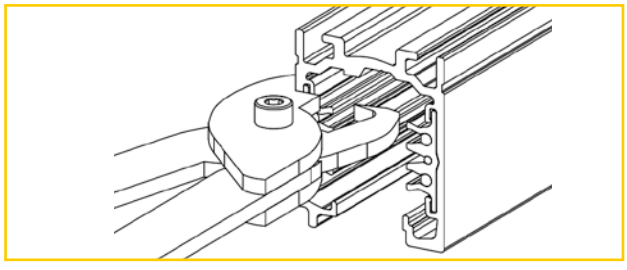


Pic. 2 Load scheme

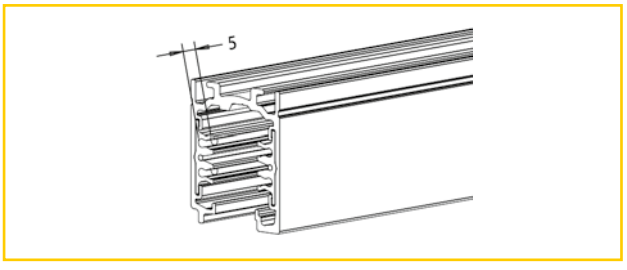


Pic. 3 Electrical scheme

The track bars with lenght 1-2-3-4 m are provided with the copper conductors already recessed, in compliance with the relevant safety standard. If it is necessary to shorten the track during installation, after the cut it is necessary to use the special cutting tool (S-9000/T) to recess the 4 conductors (L1-L2-L3-N) at least of 5mm so that the correct air, surface and electrical distances are respected (pic. 4 and 5).



Pic. 4 Recessing track wires

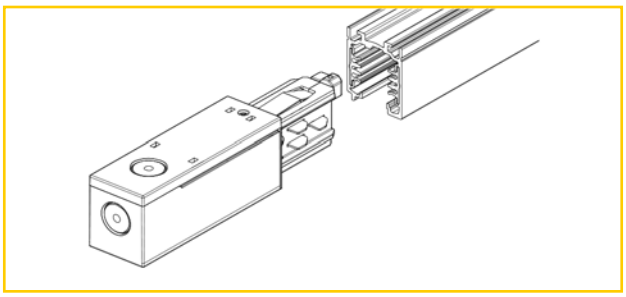


Pic. 5 Minimum recessing

INFORMATION

END-FEEDS 9001/... UND 9002/...

In order to guarantee the correct wiring of the system the endfeed is provided with a mechanical key that ensures the correct insertion into the track.
When installing the mechanical key must be used correctly.



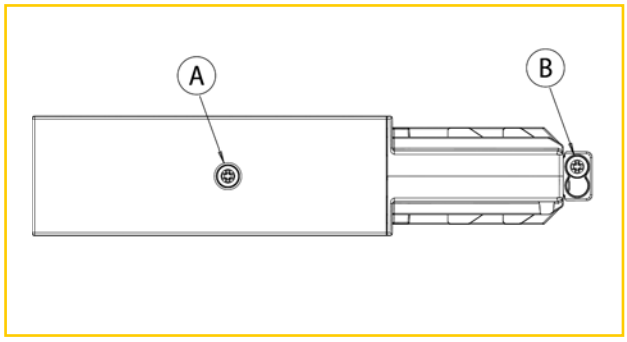
END-FEED WIRING

For the wiring of the end-feed use the following wire: 5 x 1.5-2.5 mm^2 or 7 x 1.5-2.5 mm^2. Remove the end-feed cover unscrewing the screw (pic. 1) so that contacts are visible. Knock-out the detachable wall 1 or 2 (Pic 2) and create a hole, then make the wire pass through it. When using the hole on wall 1 the screw cord grip on the end-feed itself must be used. When using the hole on wall 2 we recommend to use a plastic cord grip (not provided with the end-feed). Remove the protective covering from the wires for about 80mm, then strip the wires for 10-11 mm.

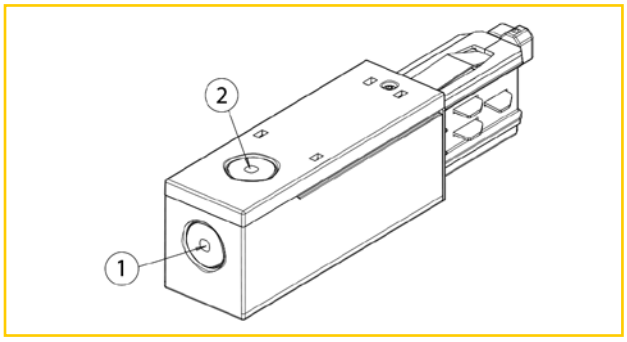
Depending on the diameter it is possible to use S-9001/115 gasket to cover any possible space between the wire and the hole on the end-feed (not included in the package and to be ordered separately).

After that proceed with wiring to the end-feed contacts respecting the marking on it (L1 / L2 / L3 / N / E / D+ / D-).

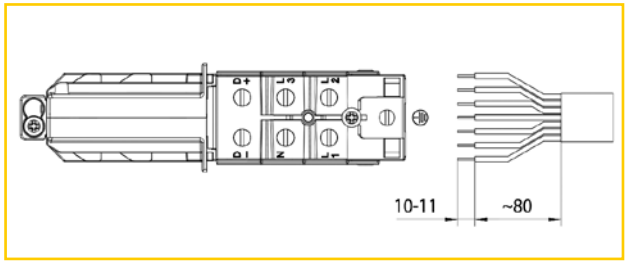
After wiring place the cover on the end-feed and tighten A screw. Finally insert the end-feed into the track and lock it through screw B (pic. 2).



Pic. 1 End-feed screws



Pic. 2 Knock-out walls

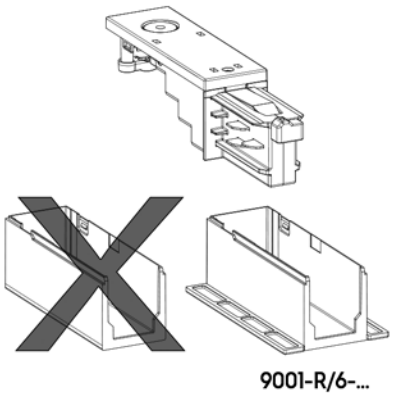


Pic. 3 Lenght of the wires

INFORMATION

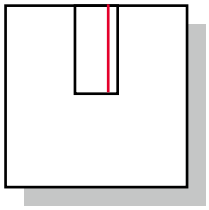
RECESSED VERSION

The standard cover must be replaced with the recessed cover (9001-R/6-... not included in the package and to be ordered separately), performing the same indication in the section “End-feed wiring” (pic. 4).

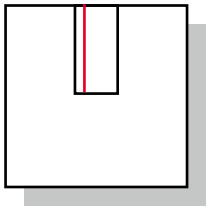


Pic. 4 Recessing version

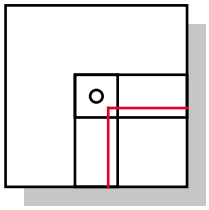
SURFACE-MOUNTED + RECESSED | ONETRACK POLARITY



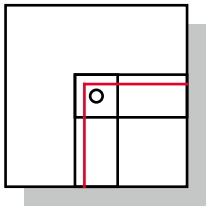
End feeder
conductor right
9001



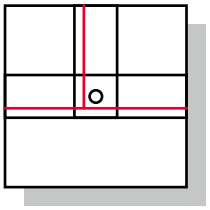
End feeder
conductor left
9002



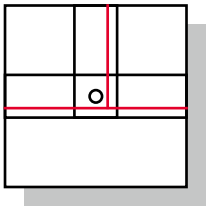
L-connector
conductor inside
9011



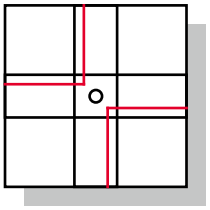
L-connector
conductor outside
9012



T-connector
conductor outside left
9013

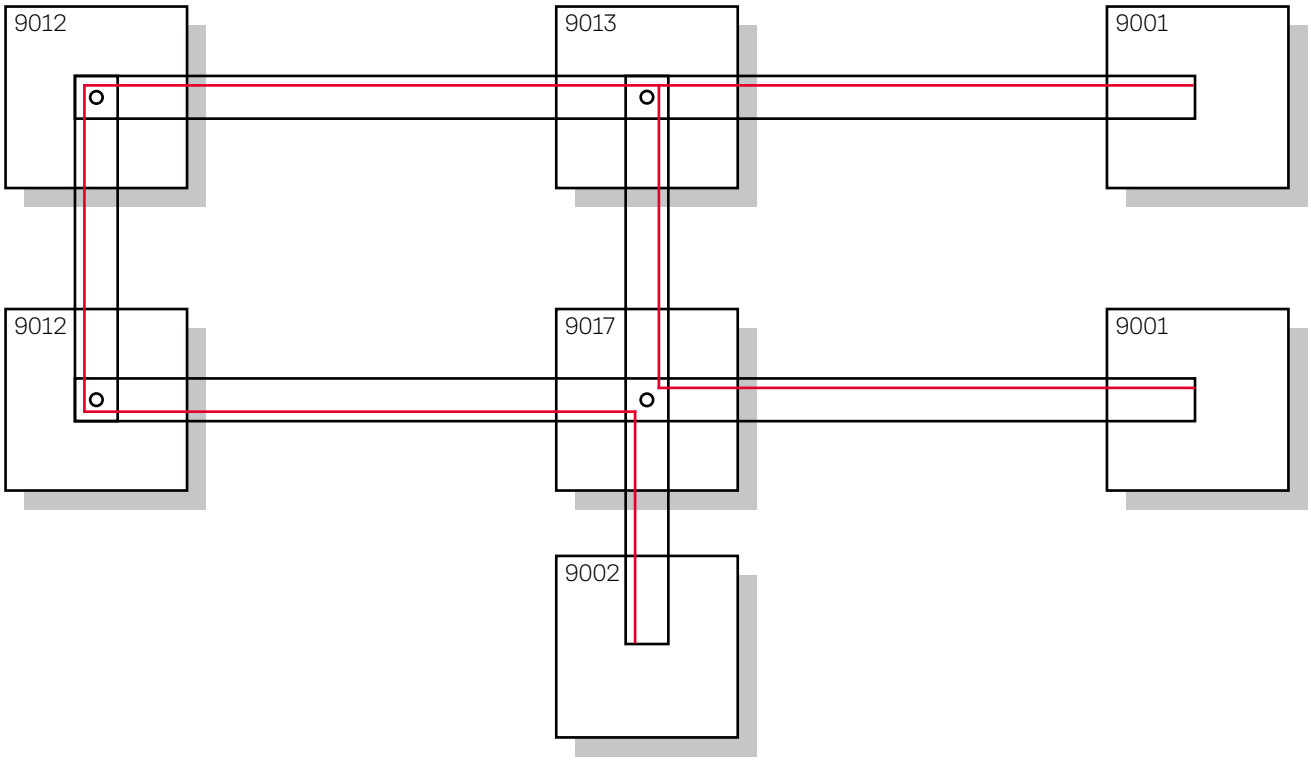


T-connector
conductor outside right
9014



X-connector

9017



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