

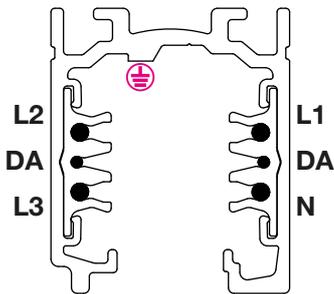
3F Filippi

BINARIO 3F

LED CATALOGUE

Binario 3F

Busbar



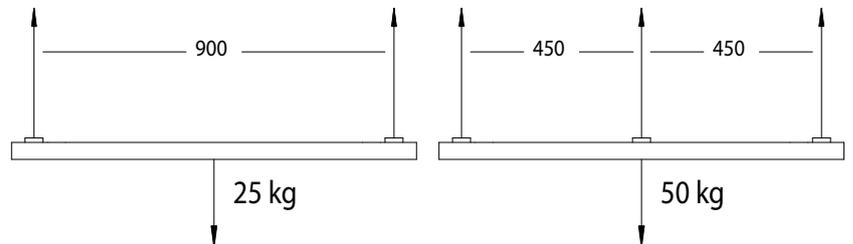
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Characteristics

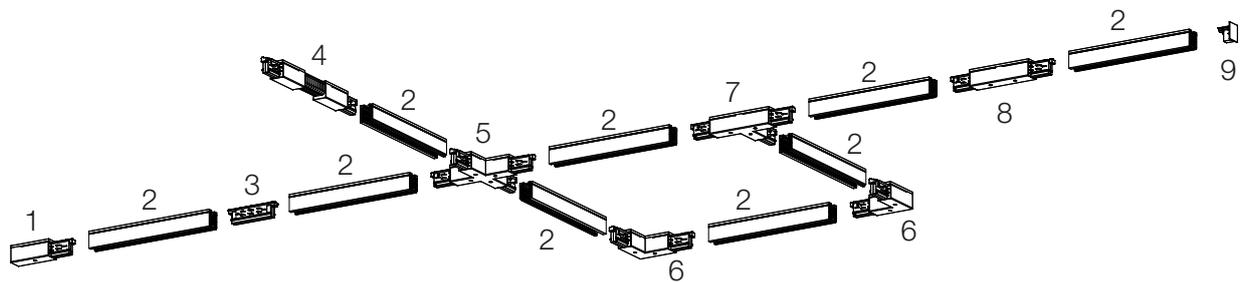
Binario 3F is an extruded aluminium busbar housing 6 conductors (4 for three-phase mode, 2 for DALI mode); the 3 phase conductors (with common neutral) form 3 distinct circuits, allowing 3 separate on commands.

The conductors are enclosed in rigid extruded profiles made from high-rigidity insulating material.

The versatility of this product allows the creation of ceiling-mount or suspended installations (within the maximum suspendable load limit). EN 60570 compliant.



Structural elements



- 1 - Power-supply cap
- 2 - Binario 3F busbar
- 3 - Linear connecting element

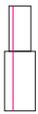
- 4 - Flexible connecting element
- 5 - Cross connector
- 6 - L connector

- 7 - T connector
- 8 - Central power supply
- 9 - Closing cap

Defining the earth conductor position

Note: the side positioning of the earth contact makes the busbar structure asymmetrical and the connectors must be chosen on the basis of this. In particular, this indication applies only to the following components:

Power-supply cap

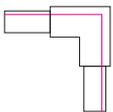


In the S (LH) version, the conductor is located on the left when looking at the composition from above.

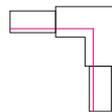


In the D (RH) version, the conductor is located on the right when looking at the composition from above.

L connector

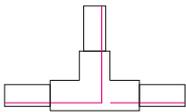


In the EXT version, the conductor is located on the outside when looking at the composition from above.

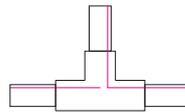


In the INT version, the conductor is located on the inside when looking at the composition from above.

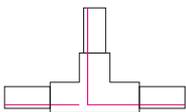
T connector



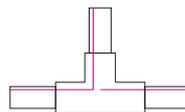
In the EXT + D (external + RHS) version, the third conductor is located on the right when looking at the composition from above.



In the INT + D (internal + RHS) version, the third conductor is located on the right when looking at the composition from above.

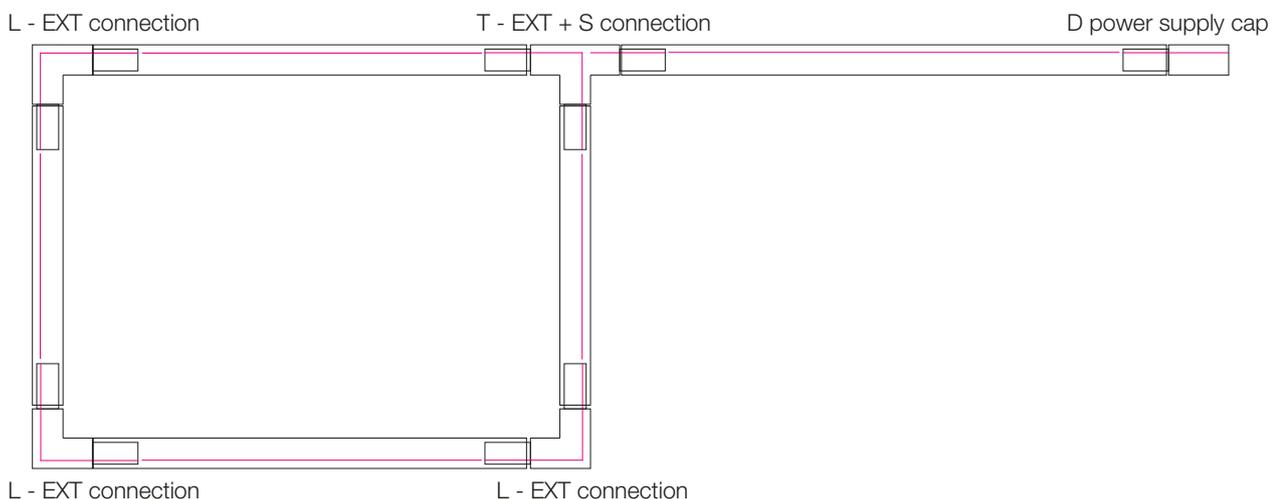


In the EXT + S (external + LHS) version, the third conductor is located on the left when looking at the composition from above.



In the INT + S (internal + LHS) version, the third conductor is located on the left when looking at the composition from above.

Structure composition example - top-down view





Binario 3F

The Binario 3F is a mixed 3-phase system with two extra conductors for the management of any signal (eg DALI). The system is certified according to EN 60570 and its installation must be performed by qualified personnel.

Three types of fixing:

- directly on the surface (using the holes already provided in binary)
- surface mounted using the metal clip
- suspended by tension steel cables and various clamps and brackets without exceeding the maximum loads are planned

1-2-3-4 m length rods are supplied with copper conductors already collected as prescribed by the safety standard.

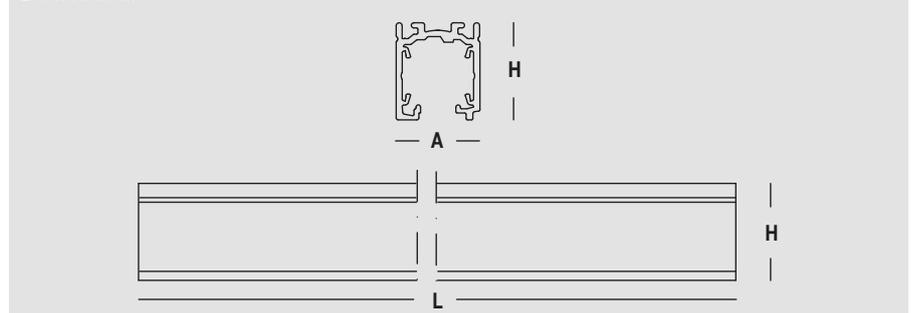
In case it is necessary to shorten the length of the track in the installation phase, after cutting use a special tool (on request) taking care to engag  the 4 conductors (L1-L2-L3-N) for at least 5 mm, so that the electrical distance and correct creepage.

Construction characteristics

Mechanical characteristics

Electrified track made from extruded aluminium, Eurostandard Plus compliant. The wires are enclosed in rigid extruded profiles made of PVC insulating material with high dielectric strength. Length: 1000-2000-3000-4000 mm. Available colors: white (B) and anodized aluminium (GR). (L1/L2/L3/N/GRD/DA/DA) 16A/440V 2x1A/50V FELV AC (DALI). Copper conductors.

Dimensions



Binario 3F



Aluminium extruded track with 6 copper conductors (L1/L2/L3/N/GRD/DA/DA) 16A/440V.

Code	Item	Dimensions L x A x H
White housing		
A4151	Binario 3F - L1000 - WH	1000x32x38
A4152	Binario 3F - L2000 - WH	2000x32x38
A4153	Binario 3F - L3000 - WH	3000x32x38
A4154	Binario 3F - L4000 - WH	4000x32x38
Grey housing		
A4158	Binario 3F - L1000 - GR	1000x32x38
A4159	Binario 3F - L2000 - GR	2000x32x38
A4160	Binario 3F - L3000 - GR	3000x32x38
A4161	Binario 3F - L4000 - GR	4000x32x38
Black housing		
A4144	Binario 3F - L1000 - BK	1000x32x38
A4145	Binario 3F - L2000 - BK	2000x32x38
A4146	Binario 3F - L3000 - BK	3000x32x38
A4147	Binario 3F - L4000 - BK	4000x32x38

End feed



Power connection: polycarbonate body and copper alloy contacts.
Warning: as the track structure is asymmetrical because of the grounding element placed laterally, feeding heads and connecting joints must be chosen accordingly.

Code	Item	Dimensions L x A x H
Right (view from top)		
A4174	Feeding head DX - WH	95x32x38
A4166	Feeding head DX - GR	95x32x38
A4209	Feeding head DX - BK	95x32x38
Left (view from top)		
A4196	feeding head SX - WH	95x32x38
A4190	Feeding head SX - GR	95x32x38
A4218	Feeding head SX - BK	95x32x38

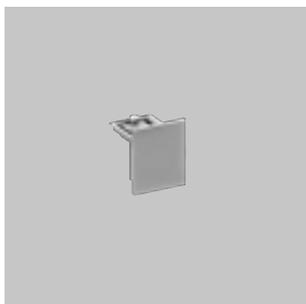
Central feeding



Central power supply with polycarbonate body and copper alloy contacts.

Code	Item	Dimensions L x A x H
A4175	Central feeding - WH	148x32x38
A4167	Central feeding - GR	148x32x38
A4210	Central feeding - BK	148x32x38

End cap



Polycarbonate closing cap with locking screw.

Code	Item	Dimensions L x A x H
A4180	End cap - WH	32x35x38
A4172	End cap - GR	32x35x38
A4215	End cap - BK	32x35x38

Linear junction element



Linear connecting element with a polycarbonate body and copper alloy contacts.

Code	Item	Dimensions L x A x H
A4188	Linear connecting element - WH	115x25x38
A4182	Linear connecting element - GR	115x25x38
A4217	Linear connecting element - BK	115x25x38

Flexible connecting element



Flexible connecting element with polycarbonate body and copper alloy contacts.

Code	Item	Dimensions L x A x H
A4176	Flexible connecting element - WH	265x32x38
A4168	Flexible connecting element - GR	265x32x38
A4211	Flexible connecting element - BK	265x32x38

L-junction



"L"-shaped connecting element with polycarbonate body and copper alloy contacts.

Warning: as the track structure is asymmetrical because of the grounding element placed laterally, feeding heads and connecting joints must be chosen accordingly.

Code	Item	Dimensions L x A x H
External (view from top)		
A4177	L-joint - EXT - WH	90x90x38
A4169	L-joint - EXT - GR	90x90x38
A4212	L-joint - EXT - BK	90x90x38
Internal (view from top)		
A4197	L-joint - INT - WH	90x90x38
A4191	L-joint - INT - GR	90x90x38
A4219	L-joint - INT - BK	90x90x38

T-junction



"T"-shaped connecting element with polycarbonate body and copper alloy contacts.
Warning: as the track structure is asymmetrical because of the grounding element placed laterally, feeding heads and connecting joints must be chosen accordingly.

Code	Item	Dimensions L x A x H
External (view from top)		
A4198	T-joint - EXT + DX - WH	148x90x38
A4178	T-joint - EXT + SX - WH	148x90x38
A4192	T-joint - EXT + DX - GR	148x90x38
A4170	T-joint - EXT + SX - GR	148x90x38
A4220	T-joint - EXT + DX - BK	148x90x38
A4213	T-joint - EXT + SX - BK	148x90x38
Internal (view from top)		
A4200	T-joint - INT + DX - WH	148x90x38
A4199	T-joint - INT + SX - WH	148x90x38
A4194	T-joint - INT + DX - GR	148x90x38
A4193	T-joint - INT + SX - GR	148x90x38
A4222	T-joint - INT + DX - BK	148x90x38
A4221	T-joint - INT + SX - BK	148x90x38

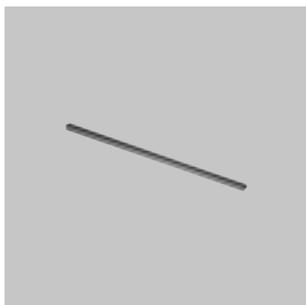
Cross joint



Cross-shaped connecting element with polycarbonate body and copper alloy contacts.

Code	Item	Dimensions L x A x H
A4179	Cross joint - WH	148x148x38
A4171	Cross joint - GR	148x148x38
A4214	Cross joint - BK	148x148x38

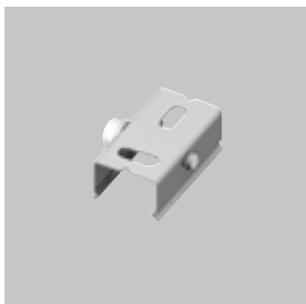
PVC closing element



PVC cover for track closing.

Code	Item	Dimensions L x A x H
A4181	PVC closing top - L1000 - WH	1000x20x10
A4173	PVC closing top - L1000 - GR	1000x20x10
A4216	PVC closing top - L1000 - BK	1000x20x10

Bracket for ceiling mounting



Sliding ceiling bracket with locking screw in galvanized steel.

Code	Item
A4183	Steel bracket for ceiling mounting

Adjustable suspension kit



Adjustable suspension kit with galvanized steel sliding bracket and locking screw, metal rose and steel cable with diameter of 1.5 mm.

Code	Item
A4204	Adjustable suspension boss + 1.5m bracket
A4205	Adjustable suspension boss + 3m bracket
A4206	Adjustable suspension boss + 5m bracket

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