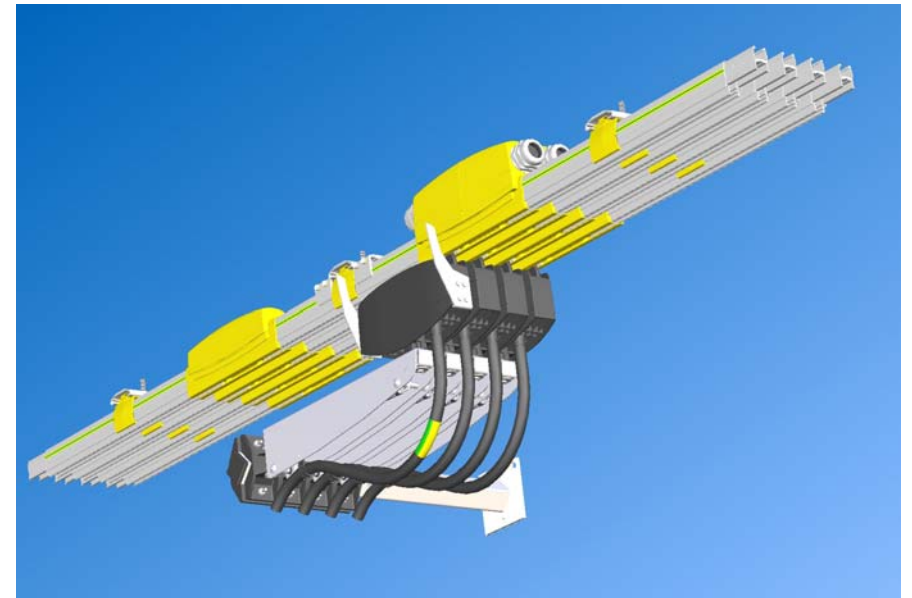


Mobilis Elite – Mobilis Movit

Product range 20A to 630A



Common values:
Fast assembling, Security, Performance,
Easy maintenance, Modern Design

Core values Mobilis Elite

- MOBILIS ELITE
Conductor system for
travelling cranes
Multi-pole conductor rail 4
or 5 conductors

current ratings 20A-40A -
60A -100A -130A –160A -
200A



Core values Mobilis Elite 20A to 200A

➤ **Security (of people)**

→ Exceptional rigidity of the PVC profile (cellular structure developed together with the Centre of Plastics Industry East and with the Advanced Polymer Applications School)

= Protection index IP23 as per EN60529 (Finger safe)



MOBILIS ELITE is the originator of the cellular structure

Core values Mobilis Elite 20A to 200A

➤ Easy assembling

- Product supplied pre-assembled (connection screws,...)
- Light PVC envelope
- Clip on hangers
- Connection through self-breaking screws (patented)



Core values Mobilis Elite 20A to 200A

➤ **Easy assembling**

- Accessories to clip on =
Assembling of the accessories
without tooling (Hand clip on)
- Protection lips, factory assembled
(keeps modularity)



Core values Mobilis Elite 20A to 200A

➤ **Easy Maintenance**

- Easy removal of accessories
(dismantling requires a tooling, in conformity with the norms)
- Easy dismantling of connections
- Carbon brush quick to assemble and remove



Core values Mobilis Elite 20A to 200A

➤ Performance

- Extensive range 20A to 200A
- Long Lines without expansion joint
- Light and rigid PVC-Profile (patented)
- Permanent modularity



Core values Mobilis Elite 20A to 200A

➤ Performance

→ Protection index IP23 as Standard execution and all along the line (line element, connections, accessories)

→ 2 PVC Materials

-20°C bis +55°C

-20°C bis +75°C



Core values Mobilis Elite 20A to 200A

➤ **Modern Design**

- Developed with an Industrial Designer
- Family related to Mobilis Movit



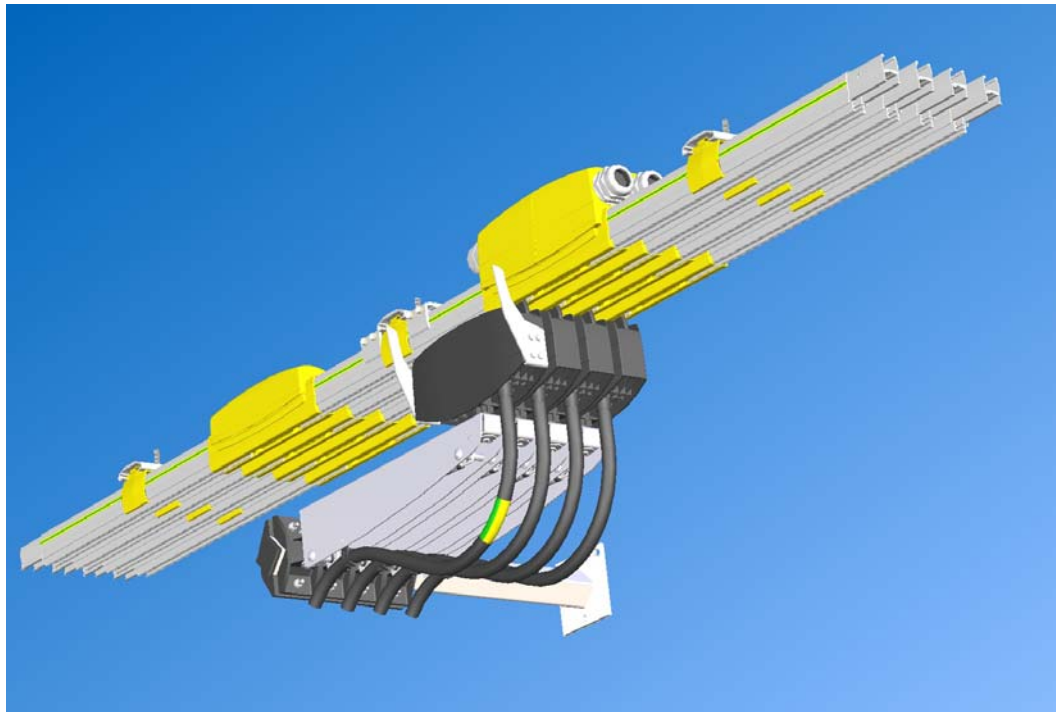
Core values Mobilis Elite 20A to 200A

- **Security**
- **Performance**
- **Fast assembling**
- **Easy maintenance**
- **Modern Design**



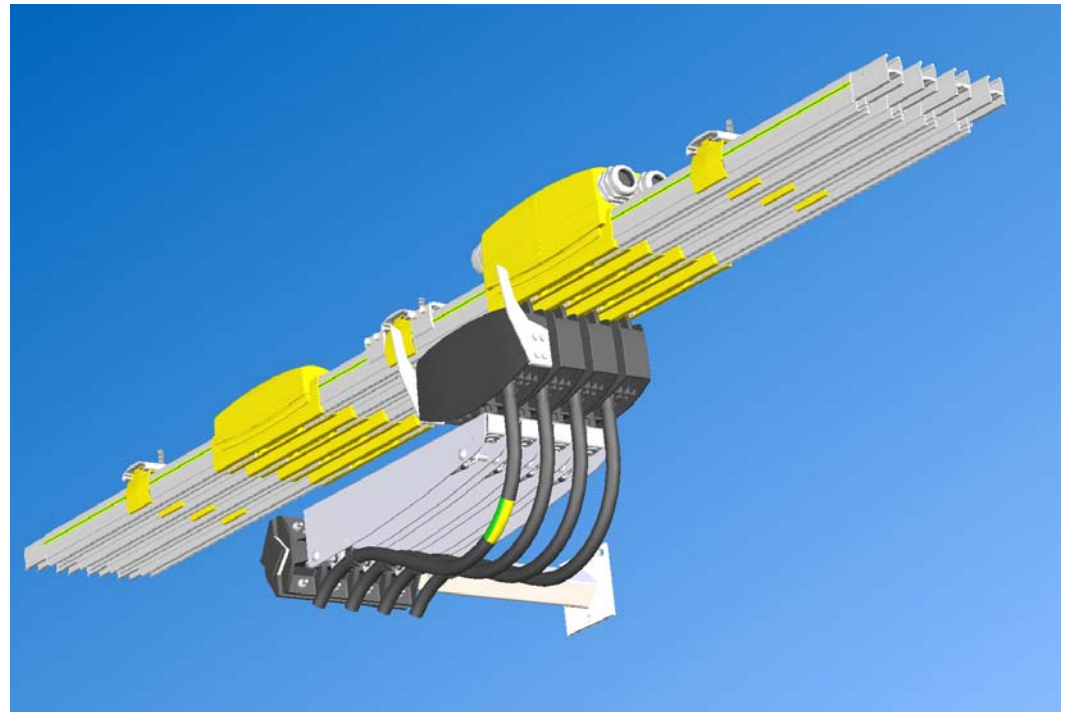
Core values Mobilis Movit

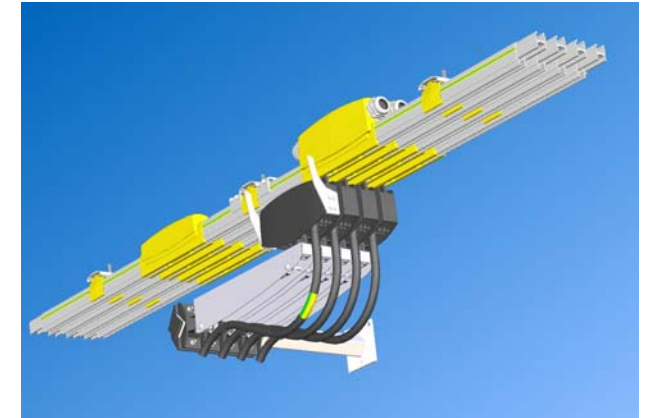
- MOBILIS MOVIT
Single pole
Conductor rail for
travelling cranes
Current ratings
315A – 450A – 630A



Core values Mobilis Movit 315A – 450A – 630A

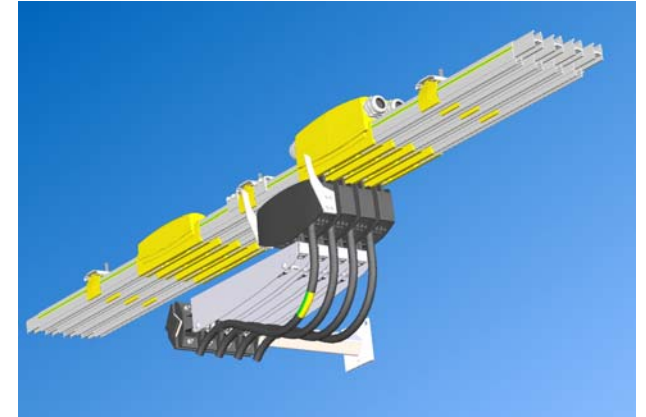
- **Security**
- **Performances**
- **Fast assembling**
- **Easy maintenance**
- **Modern Design**





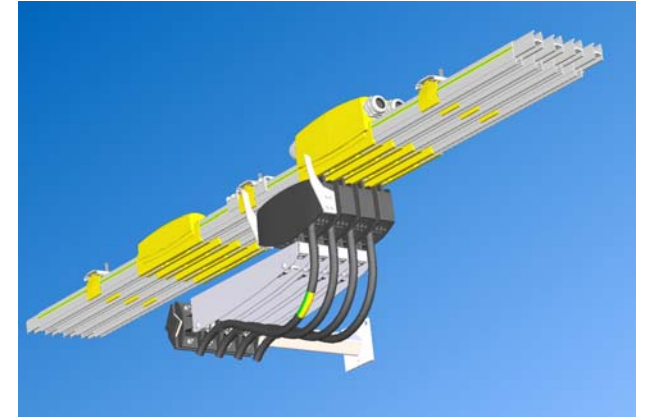
Performance:

- **Materials with high technical features (profile made of aluminium with a stainless steel track crimped)**
- **The aluminium offers high conductivity, light weight, flexibility of shape and competitive production prices**
- **Contact surfaces made of stainless steel offer a stable electrical contact resistance and a high resistance to wearing**



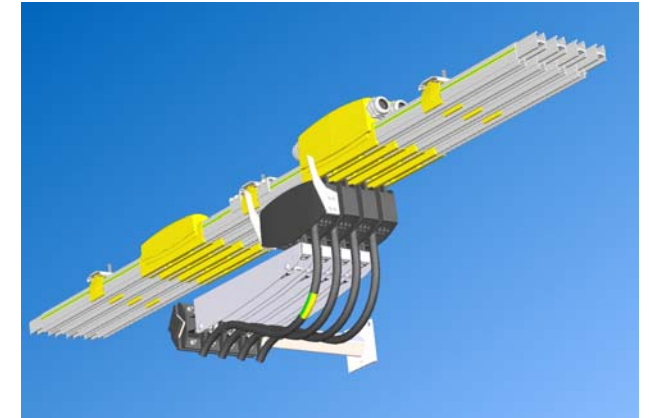
Fast Assembling:

- **Pre-assembled Product (connections, Fixing clamp, group of suspensions, accessories..) – no separate plastic bag with screws, no pre-assembling necessary on site**
- **Rail standard length 4m = simplify freight, storage, manipulation (maximal weight 5kg/4m in 630A 1P)**
- **Distance between 2 suspensions: 2m**



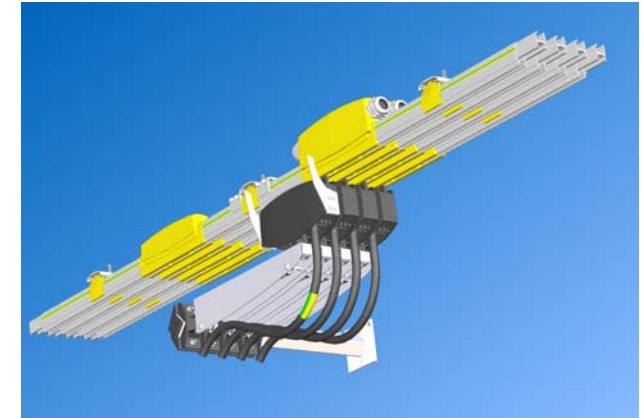
Fast Assembling:

- **Easy assembling: light rail , clipping of rail into the suspensions, compact connection, assembling of insulation accessories without tools (clip on assembling)**
- **Suspensions have a rotating freedom degree of about $\pm 10^\circ$**
- **Fixed hangers based of fasteners = no damage to the rail
→ can be dismantled and re-positioned**



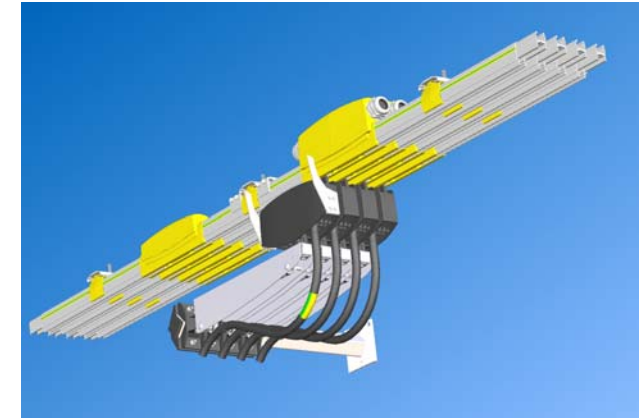
Easy Maintenance:

- **Easy removal of accessories (dismantling requires a tooling in conformity with the norms)**
- **Easy dismantling of connections**
- **Fast assembling and removal of collector carbon brush**



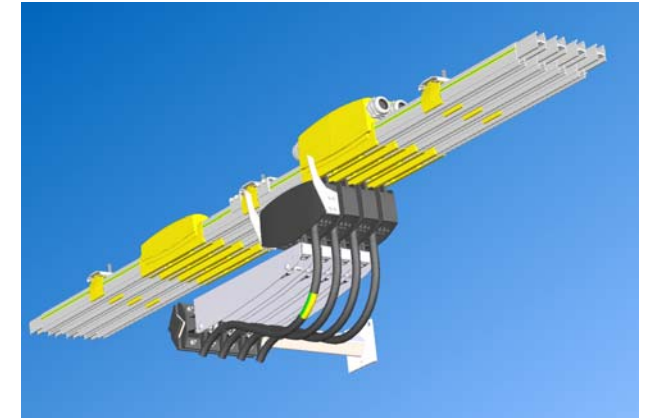
Security:

- **Protection index IP23 as per CEI60529**
- **Complies with the European Norms EN60439-1, EN60439-2 and EN60204-32**
- **Important insulation distances thanks to the Design (fluted PVC-envelope, carbon brush of collector trolley is moulded ...)**
- **European Directives were taken into account (LV directive particularly) to integrate possible future modifications**



Security:

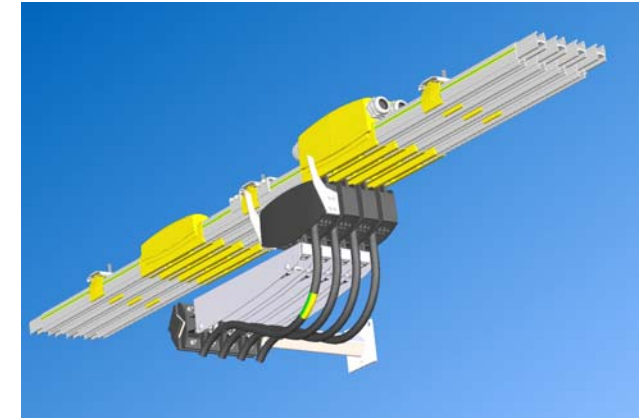
- **Pin made in connections to avoid any disconnection due to the efforts, to secure the minimum space between 2 rails and to secure the centering of connection (end of the rails are bored to receive these overhangs)**
- **Plenty of identification (earth conductor, rail with intensity, number of poles, current collector, feed box, internet site,..)**



Performance:

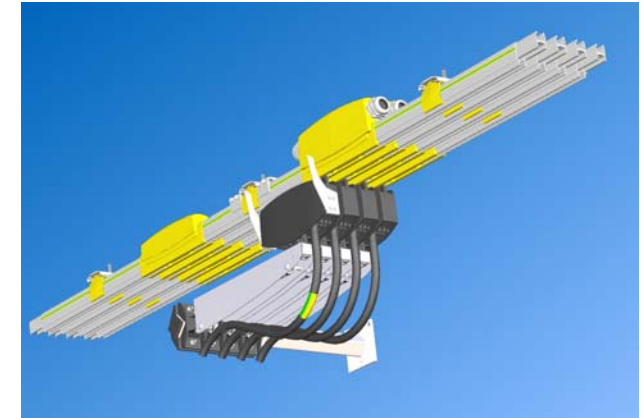
- **Optimized Forms = H-Form of the rail (high length and cross rigidity)**
- **Important insulation distances (fluted insulation envelope)**
- **Frost protection cable optimally integrated (very close from conductor)**

Caution no de-icing cable !



Performance:

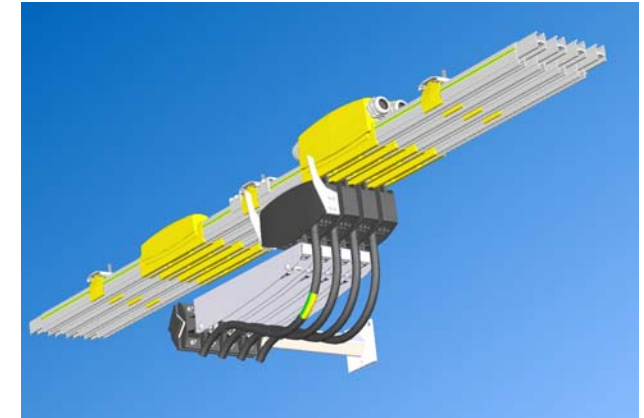
- **Compact design (clearance between rails 50mm) = minimum space (less than competition) + limited voltage drops due to low impedance → long Lines**
- **Temperature of use -30° to +55°C**
- **Compatible with a lot of environments (protection treatment even of the connections)**
- **Common accessories to the all product range (connections, feed boxes end cap – transfer element...)**



Performance:

- Ideal for long lines: Rails simply slide into the suspensions thanks to limited contact points with the rail + safe fastening of connections into the rail)
- Long lines without expansion joints

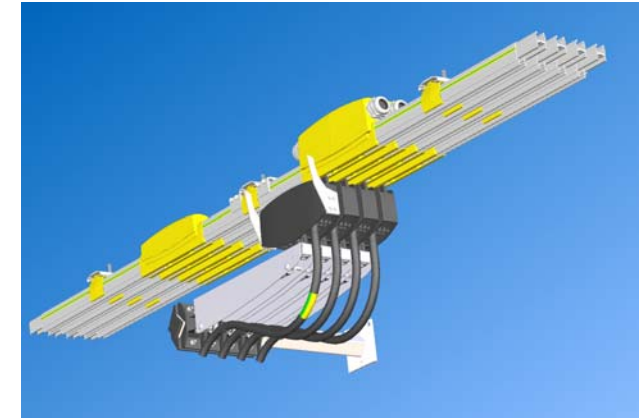
Intensity	Inside & without dust	Outside & with dust
315A	350m	250m
450A	350m	250m
630A	250m	250m



Performance:

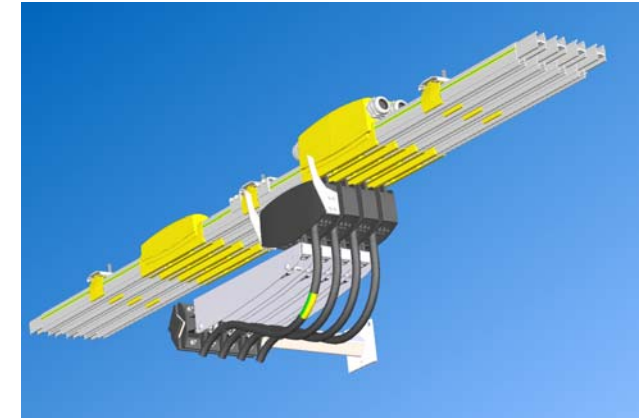
- **Important absorption capacity of the expansion joint to compensate the expansion of long line sections**
- **Minimised voltage drop (compactness = low impedance). Possible line lengths with one feed box at the end (under the nominal intensity & for 3% voltage drop)**

Intensity	Line length
315A	97m
450A	90m
630A	74m



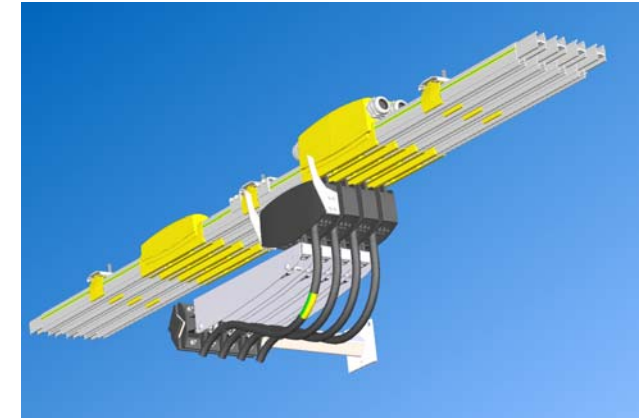
Performance:

- **Important clearance of the current collector**
- **Complete accessories (fixing brackets, connection lugs, cleaning trolley...)**
- **Suitable for inside and outside installation**
- **High speed collector travel (up to 600m/min under nominal intensity)**
- **Collector current 60A and 200A**



Performance:

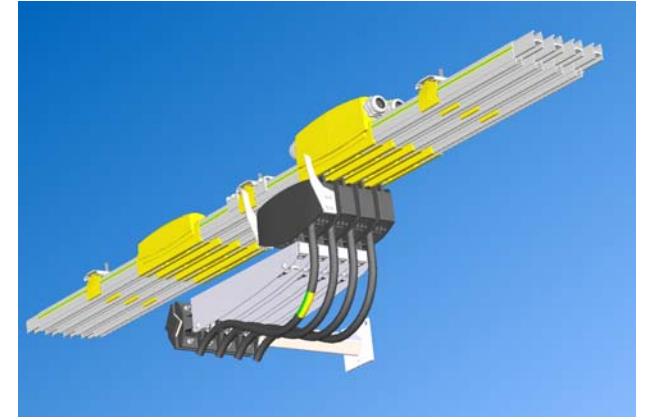
- **Clear colour of the rail for a better resistance to the sun and to the UV**
- **Compact connection with important contact surface, which elastic material adapts optimally to the form of the rail (fastener effect). Complete access from the top and only 3 screws to tighten**
- **Suitable under rain and frost**
- **Later development of curves**



Performance:

- **High quality of contact through the rounded form of the contact track which allow a $\pm 5^\circ$ inclination while always keeping 100% contact surface**
- **Upper surfaces of PVC-envelope and of accessories are rounded to avoid any rain to stagnate**
- **Standardisation of materials used**
- **Use of a single part as both end cap and transfer element**

Mobilis Movit

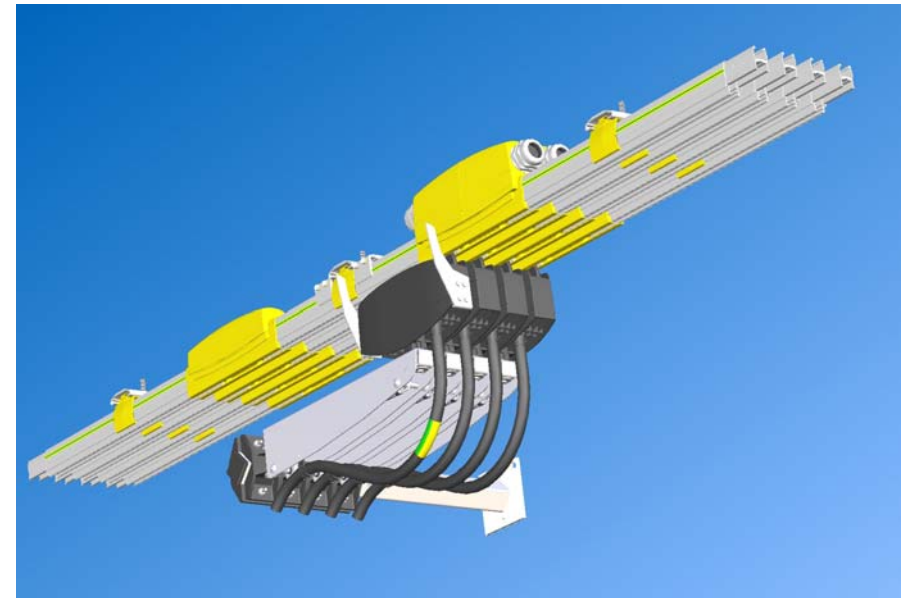


Modern Design:

- **Well-finished design (developed with an industrial designer)**
- **Family related to Mobilis Elite (shares the same values)**

Mobilis Elite – Mobilis Movit

Product range 20A to 630A



Common values:
Fast assembling, Security, Performance,
Easy maintenance, Modern Design