

**A COMPLETE LINE OF  
INNOVATIVE PRODUCTS.**

**MOBILIS**  
ELITE



## The lessons of experience.

FELS, specialists in electrical supply rails for over 25 years with the MOBILIS CE line, has used its practical experience to good advantage. Its excellent knowledge of the specific demands of this type of product has enabled it to develop a new concept, full of technological innovation, both in terms of complying with regulations and in keeping with standardisation : MOBILIS Elite. This new electrical supply rail meets all markets demands.

# CREATED TO MEET THE NEEDS OF PROFESSIONALS: MOBILIS ELITE 20-200 A.



### Manufacturers: performance and economy.

MOBILIS Elite has the advantage of high performance design without additional costs.

Thus giving manufacturers a competitive edge in development and marketing : more competitive assembling, maintenance and use.



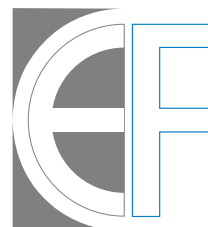
### Installers: simplicity and flexibility.

Thanks to its limited number of parts, the systematic use of easily removed connections, and rapidly fitted accessories (without tools), MOBILIS Elite offers installers a system which is simple and quick to set up, whatever the location.



### Users: security and reliability.

As well as complying with standards and regulations in force, MOBILIS Elite stands out for its hard-wearing qualities and ease of maintenance, thanks to the use of tool-free fitting of accessories.



**DESIGN**  
*innovation*

**Designed in co-operation  
with the Centre for the  
Plastics Industry in the  
Eastern France.**

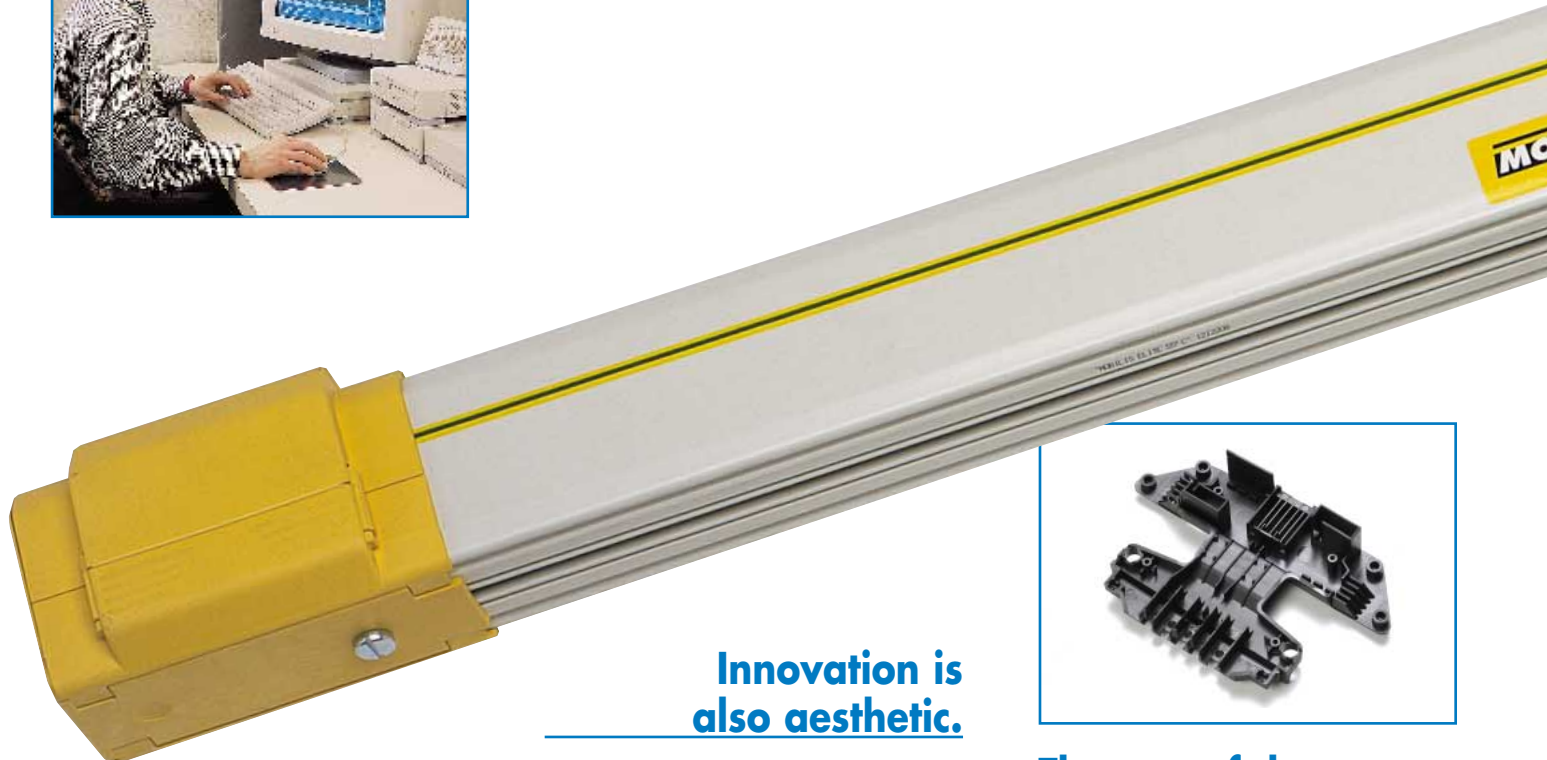
With the MOBILIS Elite electrical supply rail, innovation begins with the PVC casing. To design a profile to meet all the requirements of a demanding specification, FELS produced its designs within the framework of a PUMA procedure (Procedure for the Use of Advanced Materials), in co-operation with the Centre for the Plastics Industry in the Eastern France and the Ecole d'Application des Hauts Polymères (Advanced Polymer Applications School).

An innovation which has produced a high performance profile offering an optimum combination of technology and economy.



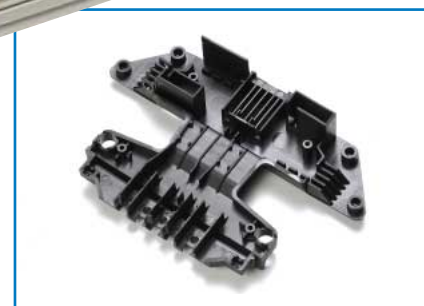
**MOBILIS**  
**ELITE**

**INNOVATION,  
SAFETY  
AND  
ECONOMY.**



**Innovation is  
also aesthetic.**

Since, right from the start, industrial design standards were used, MOBILIS Elite offers ergonomics without forgoing aesthetics. Elegant lines, harmonious colours, and coordinated elements result in a product which is both dynamic and smart, all combining to make this rail an aesthetically successful innovation.



**The age of the  
plastics industry.**

The possibilities of plastics have been fully exploited, permitting the incorporation of many functions into the plastic parts themselves, with as few metal parts as possible added on.



# PRODUCT performance



## A unique profile, lighter and with greater rigidity.

The optimised cellular structures give excellent rigidity to the PVC profile. The casing is both light and strong, and holds 4 to 5 conductors. Its narrowed lower opening prevents any accidental contact with the inside.

## Removable Carbons: a MOBILIS Elite exclusive.

MOBILIS Elite has taken maintenance into account from the design stage. So the carbons, the main elements subject to wear, are easily replaced without touching the carriage wiring. They are simply unclipped using a screwdriver.



## Collector trolleys.

With MOBILIS Elite, a complete range of trolleys to meet the needs of all manufacturers using electric supply rails :

- **Short trolley**  
the most frequently installed in straight installations used at normal speed.
- **Articulated trolley**  
for optimum use even on more pronounced curves.
- **High speed trolley**  
with split wheels for smooth running even for high speed travel.



## Extra long life wheels.

To increase the lifetime of the installation, MOBILIS Elite has improved the design of each part. The carriage wheels have, therefore, been made from an anti-friction material and fitted with highly resistant bearings, supplied as standard on all trolleys.



## OUTSTANDING ADVANTAGES.

With MOBILIS Elite, innovation offers performance, safety and economy :

- an extensive range (20 to 200 A)
- a light, rigid PVC profile
- rapid, tool-free accessory fitting
- connection security
- IP23 accessories as standard
- carbons removable
- permanent modularity (even when rail is fitted with sealing lips).

# ACCESSORIES

## clever design

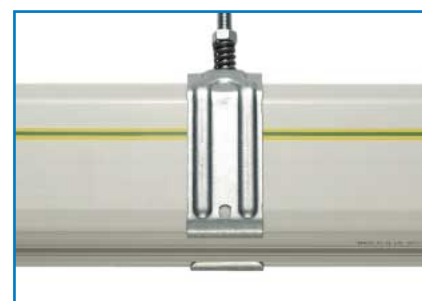
### Works-fitted protective lips.

This is an optional extra for any installation in harsh climatic conditions. Works-fitted, they simplify fitting on site, in keeping with the principle of line modularity: each rail section remains independent, and no supports need lips fitted once on site.



### Clip-on hangers.

Again for easier site installation, the MOBILIS Elite rail uses hangers in the form of self-aligning metal parts.



### Accessories quickly fitted and removed.

For easier fitting and maintenance, the main MOBILIS Elite accessories have been designed for simpler, quicker, tool-free installation. The feeding box and covering flange are clipped on manually. However, they cannot be removed without the use of a tool, in accordance with regulations.



### Connection using removable self-breaking screw.

The patented principle of self-breaking screws is re-used : controlled fixings offer security and reliability. In addition, an improvement makes a later removal easier.

- During fitting of line elements, the self-breaking screw ensures optimum tightening torque for each fixing : once torque is achieved, the screw breaks.
- When the screw breaks, a second hexagonal end appears. This makes subsequent removal easier, using a simple key.

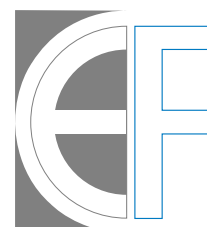
### Degree of protection: choose high performance.

MOBILIS Elite makes the user's choice simpler by offering a complete range of accessories, all ensuring protection of the line against rain (IP23), thanks to an integrated watertight system.

### A range of temperatures for extended use.

The PVC casing of the new rail designed by FELS is now available in two versions:

- -20°C to +55°C for usual applications
- -20°C to +75°C if required.





# FELS: SERVICE AND MARKETING PRESENCE.



*FELS, which works with many major French companies, has set up a highly responsive organisational structure, always ready to listen to its customers.*

*Its organisation and company attitude are entirely centred on quality of service and keeping its customers.*

*For very many years, FELS has developed an international network for the distribution of its materials, with established distributors in a large number of countries.*

*FELS is now synonymous with reliability - at all latitudes.*



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