

telergon
gorlan



**Railway engineering
solutions**

www.telergon.com

gorlan



Telergon has solid experience in railway applications, one of its key areas of expertise. The integration of Bihplat in 2015, bringing more than 60 years of experience, further strengthened a product portfolio designed to meet the demands of the railway sector.

Railway solutions with global reach

Our experience in rolling stock and fixed installations for 1,000 Vac and 1,500 Vdc has enabled us to contribute to projects worldwide.

Drawing on our expertise across multiple industries, we provide a comprehensive solution covering everything from rolling stock to low-voltage switching systems for fixed environments, including stations and signalling infrastructure.

Telergon Quality



Standards

IEC60947-3 | IEC 61373 | EN 45545-2 | BS-EN 50124-1 & 2 | EN 50153 | EN 45545

Specialists in Designing and Manufacturing Solutions for Railway Applications



High-Speed Rail



Subway



**Commuter,
Regional and
Long-Distance
Rail**



Tram



Locomotives

Applications



Cabins



**Access
Systems**



**HVAC
Systems**

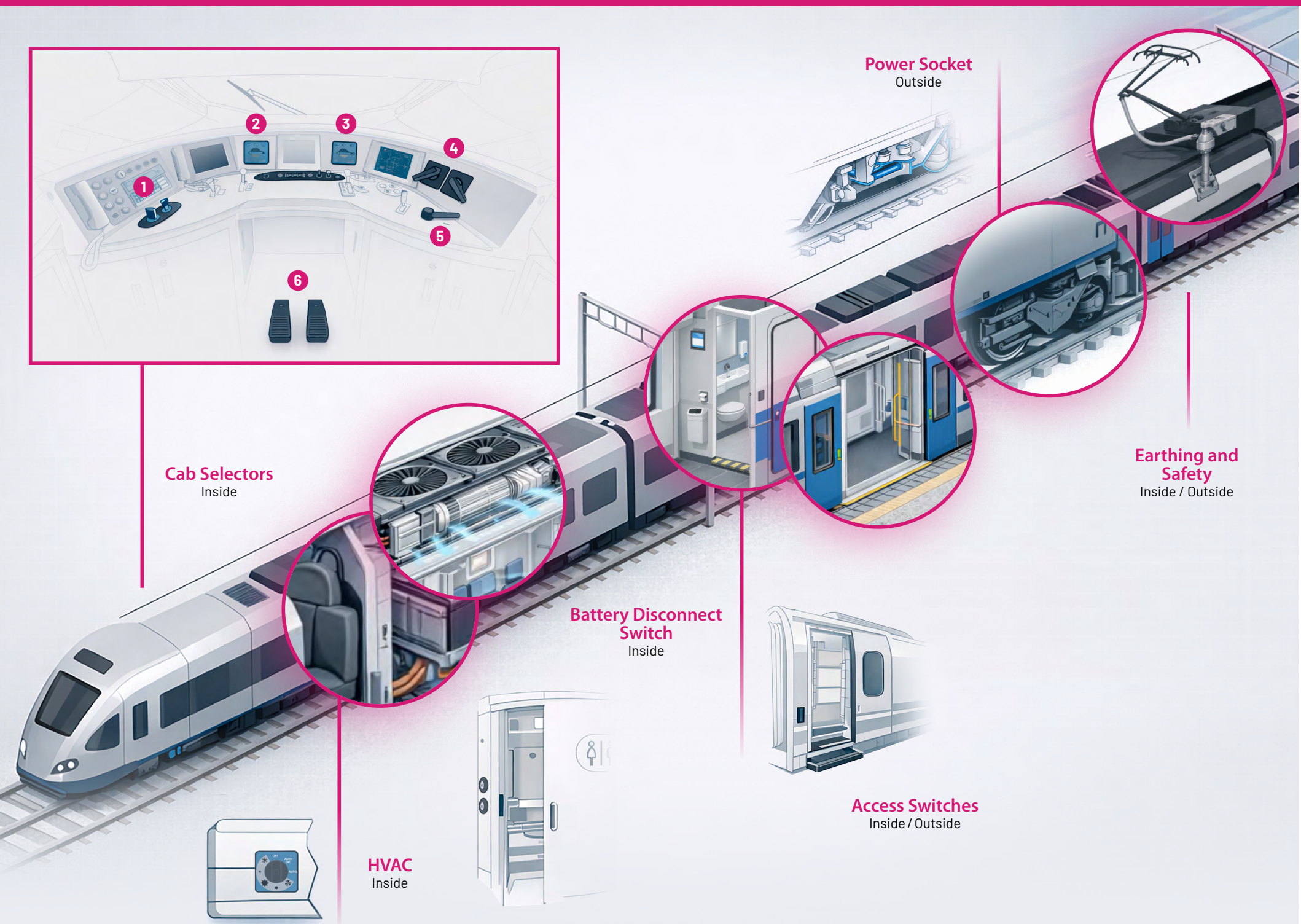


Traction



**Fixed
Installations**





Cab Selectors
Inside

Power Socket
Outside

Earthing and Safety
Inside / Outside

Battery Disconnect Switch
Inside

Access Switches
Inside / Outside

HVAC
Inside

Switching Solutions for Railway Applications



Control and Selector Switches

V and K Series cam switches offer a wide application field in rolling-stock and unlimited switching possibilities and configurations.

TELERGON range of specialised key switches can be adapted to suit a variety of locks including Dormakaba, Assa Abloy and Dom, among others.

Our solutions are waterproof, shock/vibration and climatic tested.

1

Directional Switches

Active cab switch and reversing switch for tandem operation with interlocking. Compatible with a wide range of safety lock cylinders and keys from leading manufacturers.



2

Light and Windscreen Wiper Switches

Customisable wiring diagrams and markings.



3



4



Selector Switches

Vandal-resistant design, push-to-turn operation and a choice of actuators.

5



Operating Mode Selector Switches

Metal handles with a reinforced rotary mechanism. Multiple contacts, with up to 30 per column.

Foot Switches

6



Extruded aluminium housing. Available with either a cam switch or microswitch configuration. Special switching sequences are available.

Control switches for HVAC systems



Gold-plated contacts available. Nameplates available in a range of colours.

Customisable Onboard Access Switches

A wide range of electrical and front-panel configurations: spring-return or maintained-position switches; customised aluminium or stainless-steel front plates; safety actuators and operator keys.

Toilet



Ramp



Crew Changeover Switch



internal



external
(up to 5 chambers)

Battery Disconnect Switches

Isolation only and ON-load models
2 pole and multipole versions
Front, door and frame mounting.



Earthing and Safety

Up to 16 poles earthing switches
1500VDC in robust, compact and
light weight design.

Safety devices with key interlocking:
pneumatic valves, key multipliers
and door locks.

ON-OFF or I – II functions.



Earthing Switch

Protection, Control and Reliability

Our earthing systems are designed to protect personnel and safeguard equipment under all operating conditions. Each component is engineered to work in coordination as part of a reliable, proven safety sequence.

OPERATION

- 1 The **active cab key switch** (B Series) enables the earthing system.
- 2 The **pneumatic interlocking valve** (CRWGA) allows compressed air to flow through the system.
- 3 The **earthing switch** (CRWGB) safely and visibly connects the systems to earth.
- 4 The **door locks** (CRWGD) prevent access to the enclosures while the earthing system is active.
- 5 The **battery disconnect switch** (T-175) isolates the system's auxiliary power supply.
- 6 The **key multiplier** (CRWGC) manages and controls multiple access points using one or more master keys.



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