

Our solutions for railway operations management

Relays · Power monitors and transducers



- Range of automation relays and electrical measurement products
- Customized solutions for rolling stock and fixed infrastructure
- Products certified by leading international manufacturers

Chauvin Arnoux Energy jumps on the bandwagon



The automation and enhanced reliability of rail systems are key challenges for the sector.

Drawing on our expertise, we provide robust solutions that support this trend toward increasing passenger traffic and enhancing the safety of fixed infrastructure and rolling stock.

We guarantee the reliability of our products and their compliance with railway standards:

- Forced-guide relays compliant with EN 61810-3
- International standards EN 60077, EN 50155, EN 61373, EN 45545-2
- SNCF NF F 62002-2

Our teams develop equipment that is recognized for its durability, **longevity**, and **compliance with the industry's most stringent standards**.

Monostable, time-delay relays with guided contacts for rolling stock and traffic management systems

★ STRENGTHS

- Proven reliability of our products in environments subject to vibration, temperature fluctuations, and continuous operation
- Compliance with international railway standards
- Long service life
- Design that facilitates diagnostics and maintenance



Level crossing relay

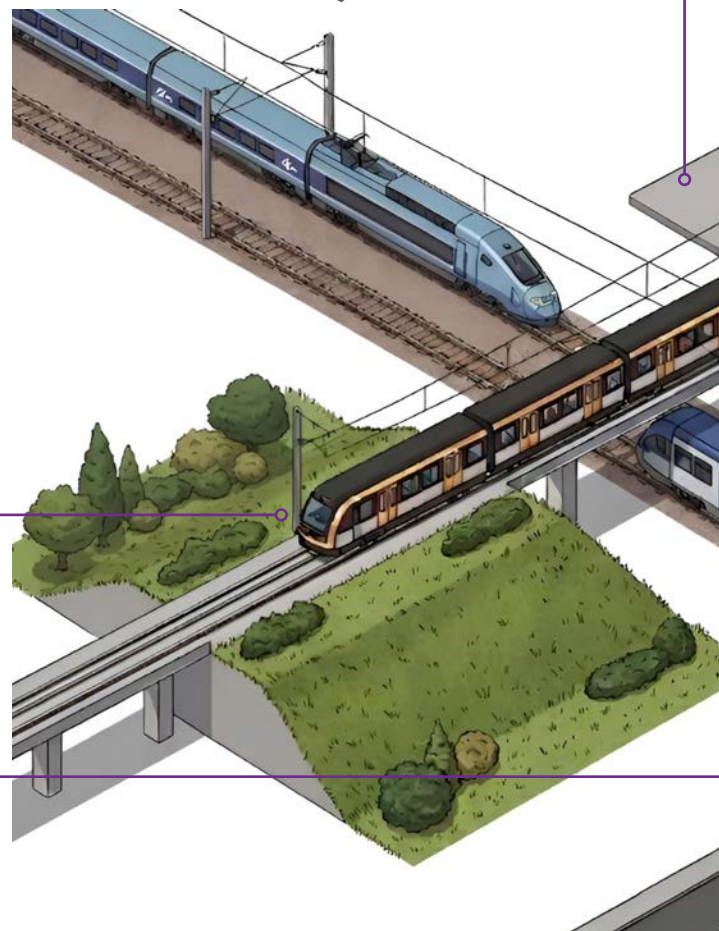
★ STRENGTHS

- High resistance to shock and vibration
- Guaranteed operation for millions of electrical and mechanical operations
- Installed at all French railroad crossings



Landing door control

- POK and BiPOK Series



A product made in France



With operations in France and Italy, we have full control over our manufacturing process: plastic injection molding, assembly of electronic components, product assembly, and final inspection.

This proximity to industry allows us to guarantee:

- Rigorous piece-by-piece quality control at every stage of manufacturing
- Effective management of our supply chain and supplier quality
- Tailoring our solutions to our customers' specific needs

A long history of expertise

Since 1985, our relays have been integrated into high-speed train systems, notably the **French TGV**; they transmit signals from the core of the control systems to control modules and components such as **brakes, doors, and air conditioning**.

Since the late 1990s, we have helped equip **several subway lines**, marking a turning point in the modernization of urban transportation.

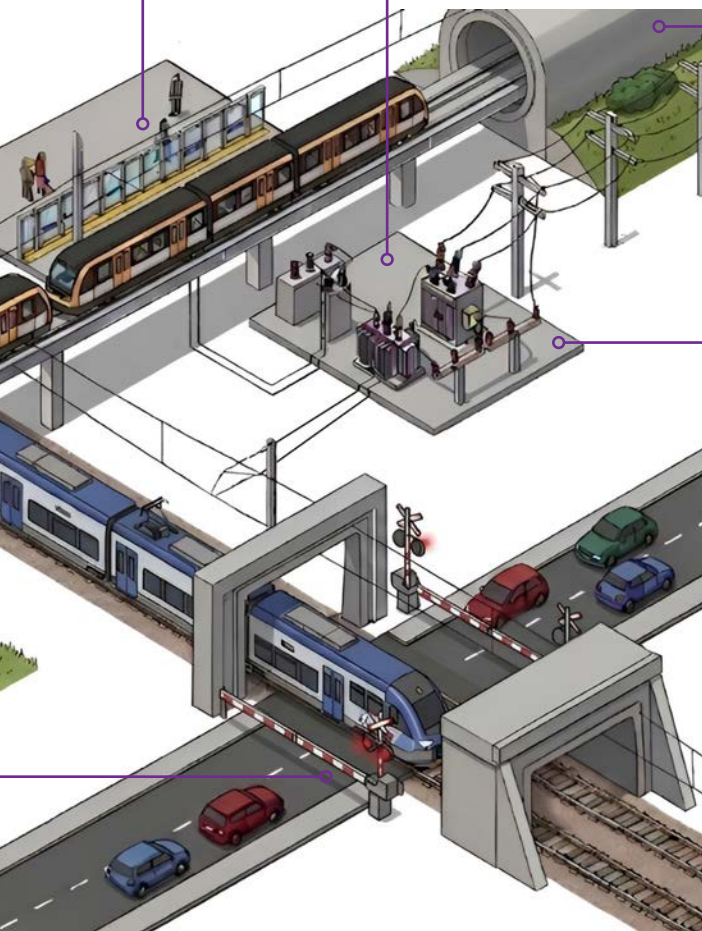
Our relays are also integrated into fixed installations such as substations, urban and mainline rail infrastructure, and **traffic management systems** (ERTMS/ETCS).

Our solutions are installed on trains manufactured by the world's leading rolling stock manufacturers.

Low-voltage/High-voltage electrical measurement and metering

★ STRENGTHS

- Measurement of all electrical quantities: V, U, I, F, P, Q, S, Ea, Eq, Es, THDu, THDi, harmonics by order
- Compliance with IEC 61557-12 and IEC 60688
- Analog outputs, digital outputs, or digital communication (Ethernet/RS485)



Automated smoke exhaust systems for railroad tunnels

- Wide range of relays



Relays for fixed infrastructure

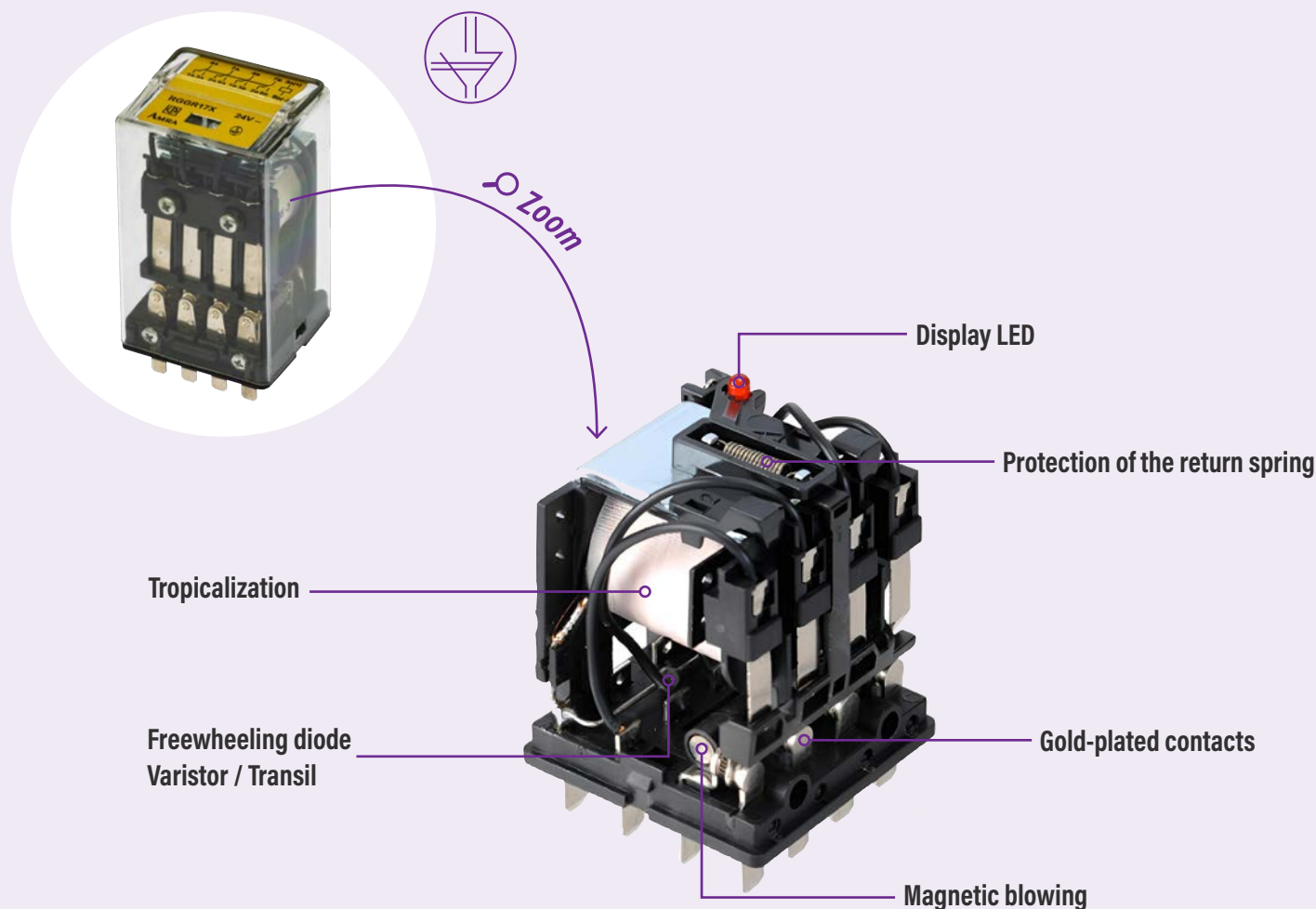
★ STRENGTHS

- Wide range of functions (monostable, bistable, time-delay, triggering)
- Product lines with high insulation ratings (5 kV surge withstand rating (1.2/50 μ s - 0.5 J))
- High breaking capacity



Maximize your safety with our guided-contact relays

In embedded safety systems, it is essential to use relays equipped with mechanically interlocked contacts (guided contacts) as defined by the EN 61810-3 standard, a feature that is indispensable for applications requiring assurance that normally open (NO) contacts are never in the same state as normally closed (NC) contacts. Our monostable RCG, RDG, RGG, and RGMX relays, as well as our time-delay RGK relays, are the solution.



EN 61810-3 Guided Contacts
Guaranteed safety for critical applications



Low-Temperature option
Reliable operation down to -50 °C



Solid and robust design
Suitable for heavy-duty use



Self-cleaning contacts
Very long electrical life

Discover our full range of solutions in our retail catalog and our general catalog



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