

# GIMOTA AG

MORE THAN 60 YEARS OF EXPERIENCE

*GIMOTAAG develops and produces connection solutions for railway applications under the toughest conditions. GIMOTAAG is located near Zurich in Switzerland and was founded by Otto Schoch in 1961. The company specialises in connectors for demanding railway applications. "The demanding applications of our customers are our daily challenge and motivation".*

*Many years of experience in a medium-sized company with high flexibility for customers make GIMOTA a unique partner on the international markets. Driven by a passion for pragmatic and reliable solutions, GIMOTA meets the requirements and expectations of its customers every day.*

*GIMOTA connectors are used worldwide in rail vehicles for virtually all essential connections. Typically for high current feeds, conventional and electronic control systems, all kinds of sensors, analogue and digital data and signal transmission and much more. This includes solutions that are implemented under almost all conceivable installation conditions and in diverse subsystems on traction units worldwide. For example, GIMOTA connectors are also used in stationary systems for versatile requirements.*

*GIMOTA supplies most of the leading international railway manufacturers and operators.*



### Know-How

Our capital is our long-standing, competent and experienced staff, as well as over 60 years of experience in the design of connectors for railways.



### Innovation

Innovation is at the heart of our work. We encourage our employees to think creatively. This is how we arrive at convincing solutions for our customers.



### Flexibility

Logistics solutions such as "just in time" deliveries, based on framework agreements and acceptance forecasts, or the management of minimum storage quantities are a matter of course for us.



### Customer focus

Special designs according to customer requirements, as well as one-offs and small series are part of our customer-oriented standard.

*Quality is our basis for the trust of our customers. We are ISO 9001 and 14001 certified.*



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# We are close to our customers

### Acting Global

The world has moved closer together in recent decades. GIMOTA supplies the leading railway manufacturers and operators around the world. Considering its global action and planning, GIMOTA has a worldwide partner network that takes care of the local needs of customers in terms of support and availability of products.



### Going local

Technically qualified, local GIMOTA partners are part of the customer-oriented market approach. Their proximity to customers is the key to an international network of customer friendliness. Our commitment: Together with our partners, we strive for global customer satisfaction.



# CONNECTORS FOR RAILWAY APPLICATIONS

## Standards

Gimota products are developed according to the following standards:

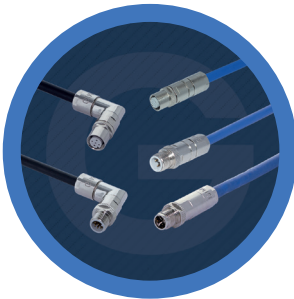
- IEC 61373: Railway applications – Rolling stock equipment – Shock and vibration tests
- IEC 60077-1: Railway applications – Electric equipment for rolling stock – General service conditions and general rules
- EN 50124-1: Railway applications – Insulation coordination
- European Directive 2011/65EU: RoHS compliant
- EN 50467: Railway applications – Rolling stock – Electrical connectors, requirements and test methods
- EN 45545-2: Requirements for fire behavior of materials and components
- EN 45545-3: Fire resistance requirements for fire barriers
- IEC 60529: Degrees of protection provided by enclosures (IP code)
- MIL-DTL-5015: Electrical round thread connectors with solder or detachable crimp contacts

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# DATA TRANSMISSION



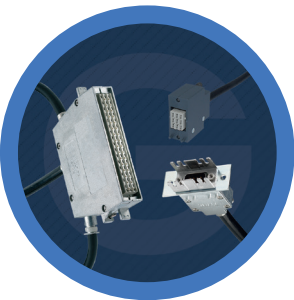
## M12 connector

Passenger information, entertainment system, cameras, network

360° shield connection, crimp contacts, protection class IP67, design Ø ≤ 16 mm, field-assembly



For further data, scan the QR



## D-SUB and DIN F

ETCS safety systems, MITRAC, power converters, control systems, control cabinet

360° shield connection, zinc die-cast cover, crimp contacts, strain relief on cable



For further data, scan the QR



## GM Modular connectors

Gangway connection, engine monitoring, network, train control, pantograph monitoring

360° shield connection and strain relief per module, for outdoor and indoor use, crimp contacts, protection class IP67, Cat 7A, optical or up to 500V, up to 13A per module



For further data, scan the QR



## GB Sensor connector

Sensor connections, power converter, control system, control cabinet, safety systems

360° shield connection, for outdoor and indoor use, crimp contacts, strain relief on cable, protection class IP69



For further data, scan the QR



Lights, lighting



Passenger information RIS, HIS, PIS, FIS



Speed sensors



Energy supply, depot supply



Wheel lock



Radar, train radio



Automatic coupler



Detection, measurement and control



Train driver cabin



Air conditioning



Traction motor



Batteries



Inter-car connection, jumper cable



Door control



Bogie, tilt motor



Diagnosis



Safety technology, on-board computer



Pantograph, roof wiring



Inverters, transformers



Brakes



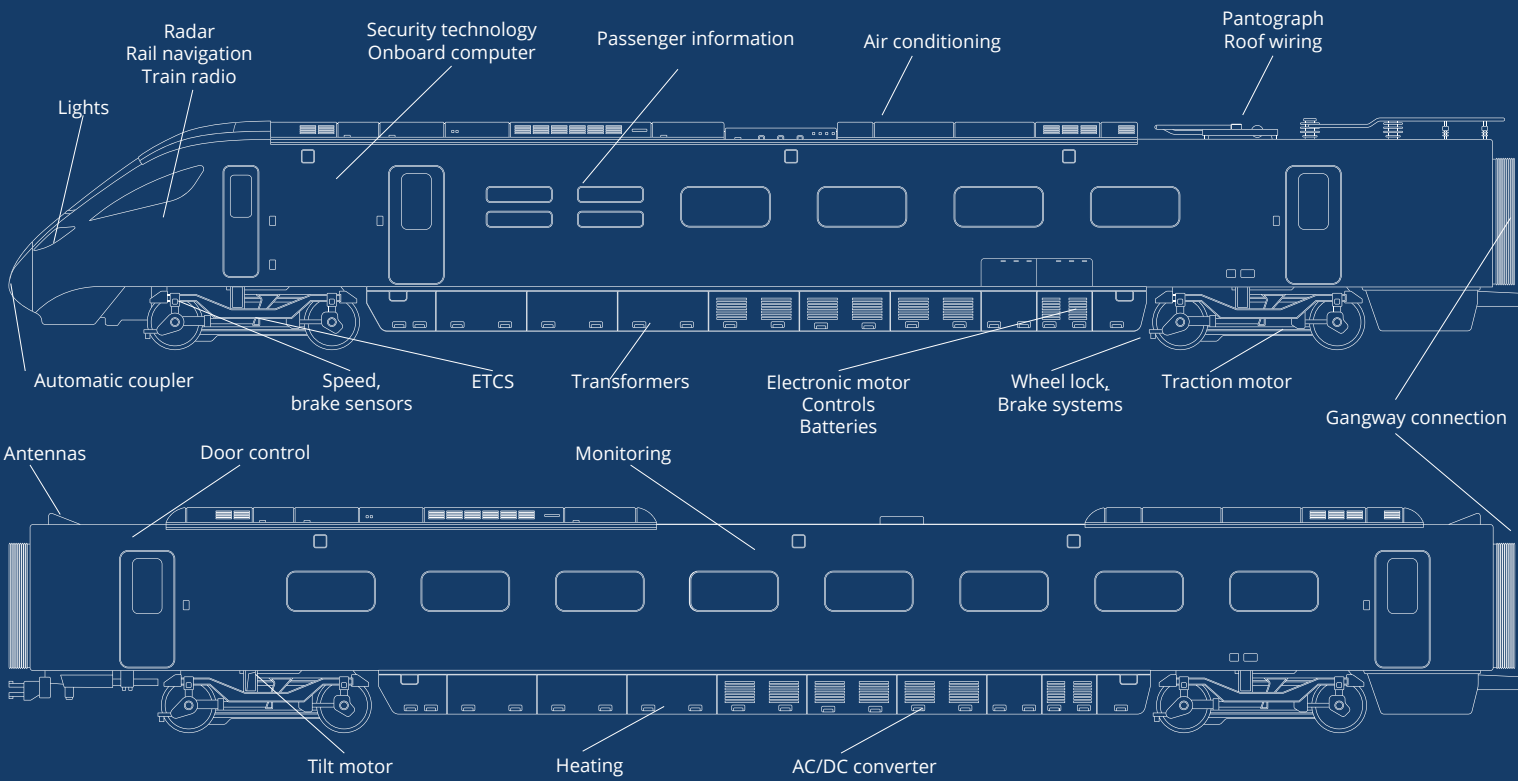
Network



Monitoring



Heating



## Application technology

On request, a professional application development team is available to you, which has extensive experience with connector systems in the railway sector and is happy to contribute its know-how to your projects in a pragmatic way.

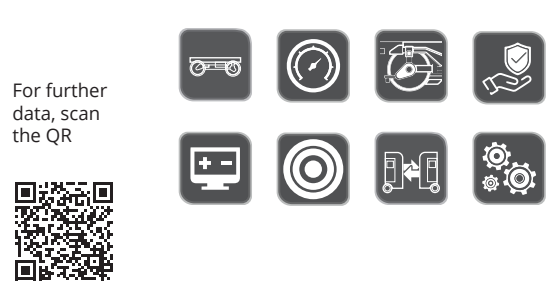
Our developers work closely with customers to better understand their requirements and specific operational tasks. Assessments of specific application requirements on site lead to a solution approach, which then results in a suitable product proposal.

The customer benefits from our knowledge of products, assembly and installation and thus receives economical and efficient solutions. To optimise the use of our products for maximum added value, we also offer product training.

# SIGNAL & POWER TRANSMISSION



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For further data, scan the QR



## Circular connectors

Heating, tilt motor, lights, air conditioning, control cabinet, safety systems

For outdoor and indoor use, EMC possible, up to 3000 V, up to 1000 A, protection class IP69, up to 105 crimp contacts



## Fully rubberised connectors

Sensor connections, control circuits, braking system, outdoor area

For outdoor use in the harshest environments, Crimp contacts, protection class up to IP69, EMC possible



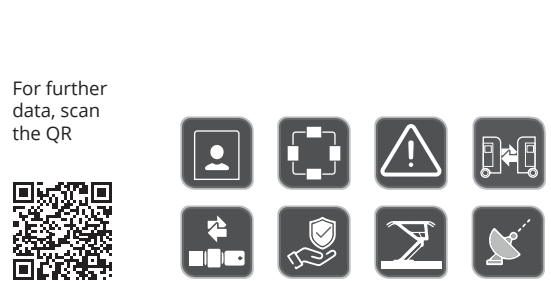
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## Power connectors

AC/DC converter, batteries, traction motor, depot power supply, air conditioning, brake systems

For outdoor and indoor use, EMC possible, Protection class IP67, up to 700 A, up to 3600 V, up to 4 contacts, up to 180mm²



For further data, scan the QR



## Modular rectangular connectors

Inter-car connection, engine, air conditioning, lights, control cabinet, safety systems, network.

For outdoor and indoor use, EMC possible, up to 1000 V, up to 200 A, protection class IP69, crimp contacts

