



Hydraulic magnetic miniature circuit breakers

## Adding safety to electrical applications in Railway Rolling Stock

Failure to protect adequately an electrical circuit may result in fire, electrocution, and damage.

With circuit breakers, you protect effectively your electrical applications from overload and short circuit situations.



Mors Smitt hydraulic magnetic circuit breakers provide highly accurate, reliable and cost effective solutions for most design challenges. They are temperature stable, and the overcurrent detection mechanism only responds to current changes in the circuit being protected.

Mors Smitt has a complete and balanced range of circuit breakers and associated accessories specially designed for demanding railway applications.

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## Mors Smitt Railway Circuit Breakers



### AR-Series

Railway hydraulic magnetic circuit breaker for panel mounting

Low current applications with very limited available space.

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### CR-Series

Railway hydraulic magnetic circuit breaker for panel mounting

Medium/high current applications for example auxiliary power systems, passenger information systems, HVAC, on board vehicle control systems, communication systems.

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### GR-Series

Railway hydraulic magnetic circuit breaker for 35 mm rail mounting

Medium/high current applications for example auxiliary power systems, passenger information systems, HVAC, on board vehicle control systems, communication systems.

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### ER-Series

Railway hydraulic magnetic circuit breaker for panel or wall mounting

High voltage applications up to 625 VAC, for example high AC voltage motor systems.

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## FR-Series

Railway hydraulic magnetic circuit breaker for panel or wall mounting

Very high current applications up to 700A for example train battery protection system.

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Project reference

### MOVIA C30 metro in Stockholm, Sweden



4.000 GR circuit breakers are used in MOVIA C30 metro trains. The limited space, temperature stability and high reliability made the GR circuit breaker the optimal solution for this project.

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Project reference

### Sub Surface Line (SSL) in London, United Kingdom



32.000 CR circuit breakers are used in specially developed electric power distribution panels (AC & DC). A smart mechanical construction was designed for easy assembly and access below the seats to optimize use of limited space.

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