



Brake Control Module CRH 380B-LT



APPLICATIONS

Regional and Commuter Trains | High-speed train

The Brake Control Module is installed in the majority of Chinese high-speed trains.

KNORR-BREMSE



DESCRIPTION

This module contains all electronic and pneumatic devices which convert brake demand to brake force. The activation of sanding and the control of air suspension are also integrated. The module is distinguished by the following features: It is designed for operation down to -40°C and with high protection class against water, snow and dust. All functional assemblies are mounted in a compact arrangement on or in a frame. Furthermore the module is quick and easy to exchange.

OPTIMIZED USE OF MATERIALS

- no additional surface coating (stainless)
- bending and laser cutting = reduced welding / reduced material use
- welding for minimal material overlap
- no materials for surface treatment hazardous to the environment
- optimized product weight for new applications

ENHANCED MAINTAINABILITY

- allows quick access for all maintenance activities
- integrated data logger for CBM
- discrete components
- high level of diagnostic truth
- no special tools required
- optimized in-house overhaul RailServices activities

IMPROVED TRAFFIC MANAGEMENT / SAFETY

- ensures minimum stopping distances
- WSP/DNRA system ensures maximum safety in case of low adhesion conditions
- provides the required high reliability and availability for China's high-frequency high-speed traffic
- sanding for low adhesion conditions
- full brake pipe backup for system availability
- capability for operation in extremely harsh environment, e.g. temperatures down to -40°C

LESS LIFECYCLE COSTS

- robust protection of brake control components
- products designed for 30-year life; minimal-wear parts
- optimized blending algorithms for brake pad wear optimization
- fully optimized E.P. brake architecture
- less wear with enhanced WSP system
- COMORAN upgradability

INCREASED ENERGY EFFICIENCY

- smart, speed-dependent brake blending reduces wear rate of friction brake equipment
- supports EB/UB concept
- sanding for traction optimization
- easily recyclable due to material-separated devices

REDUCED EMISSIONS

- reduced installation time due to box-like design with clear "quick-connect" interfaces

Disclaimer: We have prepared the product description with due care but cannot exclude any errors. The product description does not contain any warranty or guarantee, in particular neither regarding correctness, accuracy and completeness of contained information nor regarding quality, negotiability, adequacy for certain purposes and compliance with laws and patents of described products.