



# *Sliding Step X4*



## **APPLICATIONS**

Regional and Commuter Trains

**KNORR-BREMSE**



# DESCRIPTION

The greatly simplified guiding system allows for a much easier and quicker adjustment during installation. Sluggish movement and jamming of the sliding step are completely eliminated. The streamlined design principles are also of benefit to the now much more direct, and thus more precise, integrated weight detection system. The proven central drive concept, which is now also adapted to sliding step units, make for reductions in weight, the number of components, and, most importantly, to the installation height. The robust, reliable system has very low susceptibility to dirt, corrosion and stone strike. The new X4 Sliding step allows the use of free opening from 1200 to 2000 mm with an extraction range from 0-350 mm.

## OPTIMIZED USE OF MATERIALS

- lower installation height through new step board and drive design (50 mm height for standard width up to 1400 mm)
- increased reliability through impassiveness against gravel impingement and corrosion
- only stainless steel and aluminum parts
- usage of already proven parts

## ENHANCED MAINTAINABILITY

- easier installation; no adjustment, also not after component change
- less sensitive to variations in carbody movement
- maintenance-free parts
- reduced maintenance time, e.g. adjustment-free limit switch

## IMPROVED TRAFFIC MANAGEMENT / SAFETY

- integrated passenger detection (weight) in step plate guiding
- obstruction detection as described in VDV111
- reliable even under hardest conditions – impassive against water, ice and snow
- validated down to -40° Celsius

## LESS LIFECYCLE COSTS

- fewer parts
- less susceptible to dirt
- adjustment-free design
- deformation-tolerant three-point-guiding

## INCREASED ENERGY EFFICIENCY

- door control unit consumes 22% less energy due to adaptable operation condition

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.

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