PARS KOMPONENTY

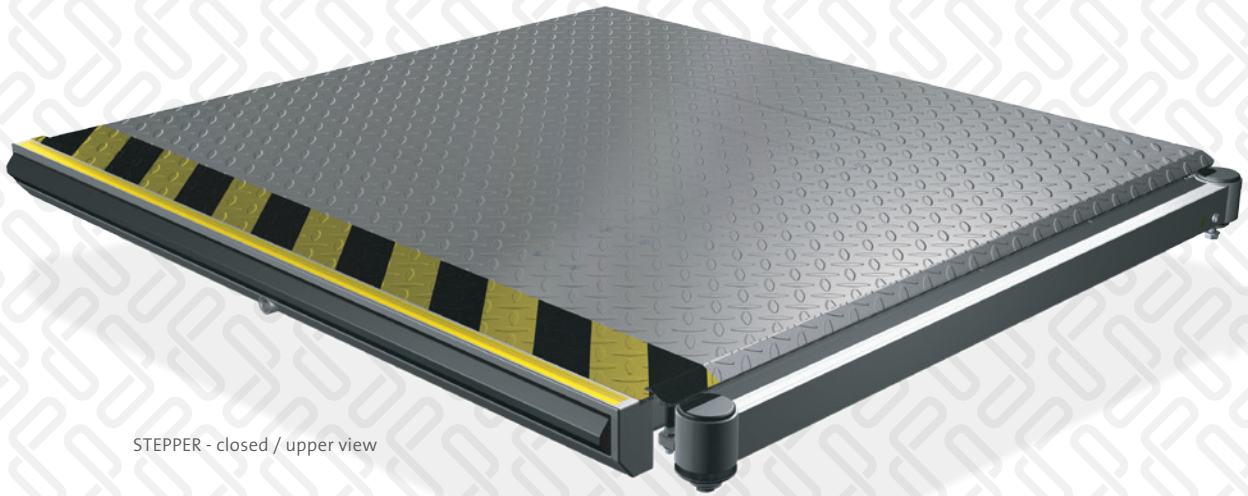
WE ARE PART OF YOUR JOURNEY

CUTTING EDGE HEATED
MOVEABLE STEP
BRIDGING PLATE

STEPPER

SPEED UP TO 200 KM/HOUR

METRO · TRAM · COMMUTER · REGIONAL & INTERCITY TRAINS

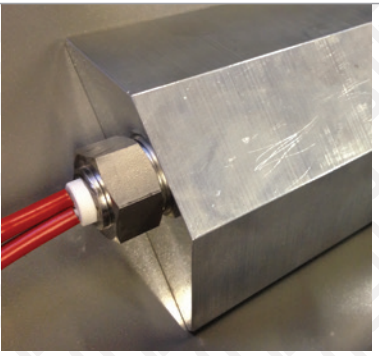


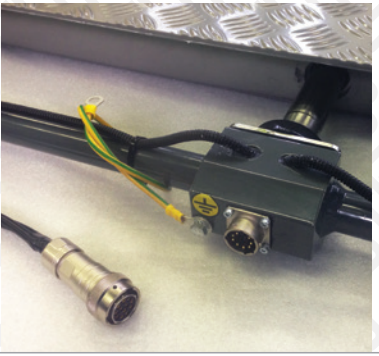
STEPPER - closed / upper view

STEPPER - closed / bottom view

STEPPER - open / bottom view

PARS KOMPONENTY





- INTEGRATED HEATING PLATES
- LOAD INDUCTION SENSORS
- PLATFORM LEVEL ULTRASONIC SENSOR
- ADAPTIVE SUSPENSION OF MOVEABLE STEP
- CONTACT STRIP & ILLUMINATED LEADING EDGE
- DRIVER OVERLOAD SENSOR
- PLUG & PLAY DESIGN

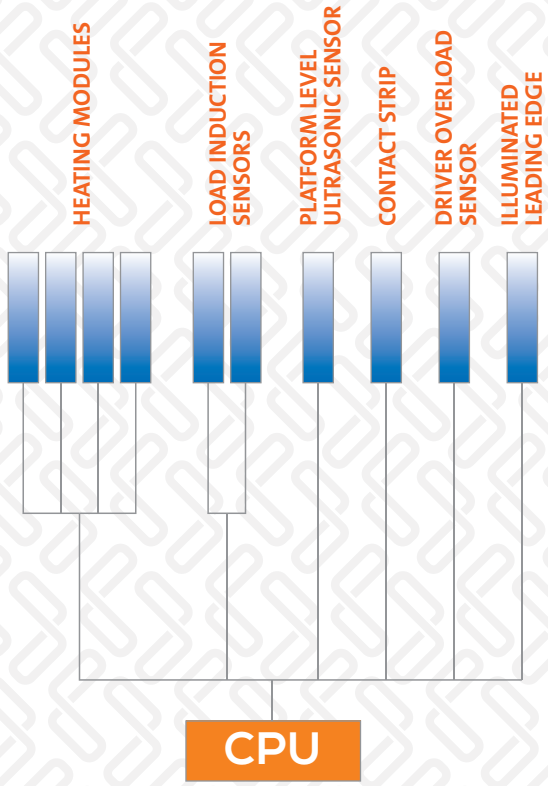
MAIN FEATURES

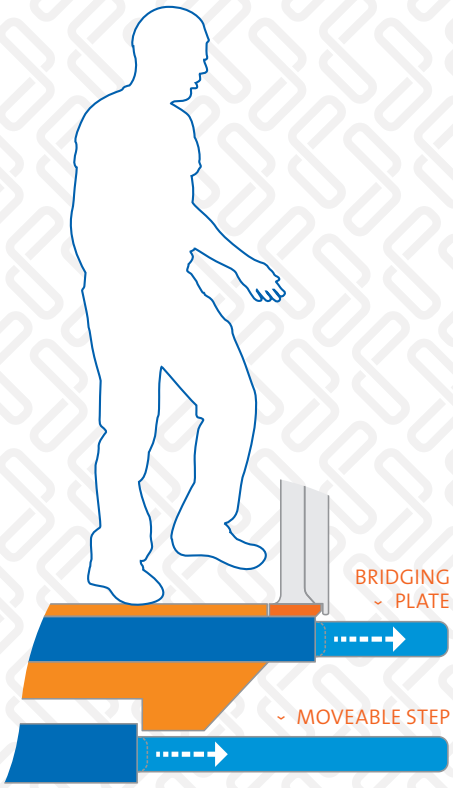
- **An extremely large exposed length and width** (1400 x 600 mm) of moveable step. **Adaptive design** utilizes light aluminum alloy materials and allows dimensional inaccuracies and deformations of the car-body. Sufficiently tough for rolling stock applications up to the 200 km/hour.
- Fully integrated **heating and a de-freeze function** maintain friction between the surface and person's shoe even in extreme weather conditions (snow, ice). Designed to prevent a water accumulation.
- An **intelligent control functions** and independent CPU improves passenger safety substantially. **Safer and faster access and egress** to/from the car thanks to dozens integrated features. **Manual emergency mode** allows to retract and lock the step in whatever position.
- Modular design and **"Plug & Play"** four point concept allows **easy assembly and integration** to the car-body for particular projects from LRV and Metro to Intercity trains. Can be used also as a **Gap filler and Bridging plate**.
- Surprisingly **low cost for maintenance and regular service** cause an advantageous low ratio for the Life Cost Cycle (LCC)

FULLY COMPLIES WITH

EN 14752	Railway applications - Body side entrance systems for rolling stock
EN 45545-2	Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behavior of materials and components
EN 50121-3.2	Railway applications - Electromagnetic compatibility - Part 3.2: Rolling stock - Apparatus
EN 50125-1	Railway applications - Environmental conditions for equipment - Part 1: Rolling stock and onboard equipment
EN 50126	Railway applications - The specification and demonstration of reliability, availability, maintainability and safety (RAMS)
EN 50128	Railway applications - Communication, signaling and processing systems - Software for railway control and protection systems
EN 50155	Railway applications - Electronic equipment used on rolling stock
EN 50264-1	Railway applications - Railway rolling stock power and control cables having special fire performance - Part 1: General requirements
EN 61373	Railway applications - Rolling stock equipment - Shock and vibration tests (IEC 61373)
UIC 560	Doors, footboards, windows, steps, handles and handrails of coaches and luggage vans
UIC 566	Loadings of coach bodies and their components

INTELIGENT CONTROL FUNCTIONS





		STEPPER Movable Step
TECHNICAL DATA	order reference	1.0000.44.10.0
	nominal exposed length [mm]	1.100 (min 800 ÷ max 1.400)
	maximal exposed width [mm]	600
	in-build length [mm]	nominal + 130
	in-build width [mm]	nominal + 600
	in-build height [mm]	95
	in-build height of Bridging plate [mm]	min 80
	weight for nominal dimensions [kg]	59
	load in any place [kg]	max 300
	opening time [sec]	3 - 5
	supply [V DC]	24 ± 30%
	max current, peak [A]	8
	nominal current [A]	1,5
	heating nominal current [A]	max 6
	DCU	programmable control unit
	communication	CAN open
	lifetime	30 years / 1 000.000 cycles
OPTIONS	contact strip	■
	driver over voltage protection	■
	ultrasonic detection of platform height	■
	induction overload sensor	■
	LED strip	o
	independent heating system	o

■ standard o option – not possible

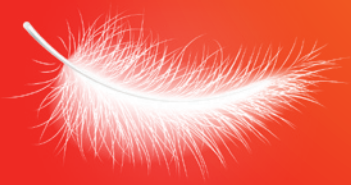
PARS KOMPONENTY

We are a Czech engineering and production family business founded in 1998 with a **manufacturing tradition** dating back **more than 115 years.**

Included in what we do is **the production of components for rolling stock**, light rail vehicles, metro, commuter and regional trains, intercity, high speed trains, passenger wagons and locomotives.

Our own **design and engineering team** is supported by **complete in-house production technologies**. We have CNC precision machining, 3D bending, fully certified A1 bonding and CL1 welding, paint shops including both powder and liquid system and a final assembly shop.

Our **professional service and support team** provides first article installations, trainings, technical support and all kind of on-site services, as well as an after sale spare parts management and logistics.



PASSION FOR WEIGHT LOSS

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