



## IK-TYPE UNDERGROUND TRAINS

Berliner Verkehrsbetriebe AöR (BVG)

In August 2015, Berliner Verkehrsbetriebe AöR (BVG) put two IK underground vehicles into passenger service as prototypes on the Berlin small profile network (lines U1 to U4). Following a successful trial phase, further options were exercised. The order volume covers 40 underground trains. These new bidirectional vehicles have a bright, airy passenger area and a modern passenger information system.

The cambered design of the carriage walls means that the four-part vehicles are 2.4 metres wide – 10 centimetres wider than the existing vehicles. The underground trains for Berliner Verkehrsbetriebe belong to the Tango range of city rail trains.

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## Technical features

### Technology

- Automatic centre buffer coupling
- Can be coupled to existing vehicles
- Bogies with air suspension ensure a minimum of noise as the trams travel
- Internal and external graffiti protection
- Anti-scratch films on windows
- Polarity switch for operation on large profile network
- Cambered design of outer skin

### Comfort

- Twelve two-wing sliding plug doors per side of vehicle
- Bright, welcoming passenger compartments
- Modern passenger information system

### Personnel

- Ergonomically designed driver's cab

### Reliability / Availability / Maintainability / Safety

- Compliance with crash norm EN 15227
- Compliance with fire safety standard EN 45545

## Vehicle data

<b>Customer</b>	Berliner Verkehrsbetriebe AöR (BVG)
<b>Designation</b>	IK-type underground trains
<b>Lines serviced</b>	Underground lines U1 to U4, Berlin
<b>Number of vehicles</b>	2 prototypes + 38
<b>Commissioning</b>	2015
<b>Gauge</b>	1435 mm
<b>Length over coupling</b>	51640 mm
<b>Vehicle width</b>	2400 mm
<b>Vehicle height</b>	3210 mm
<b>Floor height</b>	875 mm
<b>Number of passenger compartment doors</b>	12 per side of vehicle
<b>Entrance width</b>	1300 mm
<b>Seats</b>	72/80
<b>Standing capacity (4 persons/m<sup>2</sup>)</b>	258
<b>Bogie wheelbase</b>	1800 mm
<b>Drive system</b>	1080 kW
<b>Maximum speed</b>	70 km/h