



Low-floor intermediate coach B41-B56 for Regionalverkehr Bern–Solothurn (RBS), Switzerland

RBS has an existing fleet of high floor trains in operation since more than 25 years. These trains are named «Mandarinli». In order to fulfil the new requirements regarding access for handicapped persons RBS decided to buy intermediate coaches with low floor entrance. The extremely lightweight design of the B41-B56 coaches allows an extra payload without exhausting the limited traction reserve of the «Mandarinli».

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Technical features

- Convenient low-floor entrances as with RBS ABe 4/12, featuring identical electric doors and sliding steps
- Open and modern interior fittings with 2 large entrance areas
- Customer-specific exterior paint and interior décor
- Extremely lightweight design, consisting of aluminium frame and side wall panels that are welded at the edges and bonded at the surface

Vehicle data

Customer	RBS Regionalverkehr Bern–Solothurn, Switzerland
Designation	B41–B56
Number of vehicles	16
Service start-up	2001
Lines operated	Bern–Worb and Jegensdorf
Gauge	1000 mm
Overall length	18 020 mm
Vehicle width	2650
Vehicle height	3320 mm
Floor height	
Low floor	420 mm
High floor	870 mm
Door width	1400 mm
Longitudinal strength	500 kN
Seating capacity 2 nd cl.	56
Standing capacity (6 people/m ²)	88
Tare weight	13.5 t
Axle arrangement	2'2
Bogie wheelbase	1600 mm
Trailer wheel diameter (new)	660 mm
Catenary supply voltage	1200 V
Maximum speed	80 km/h

