



siemens.com

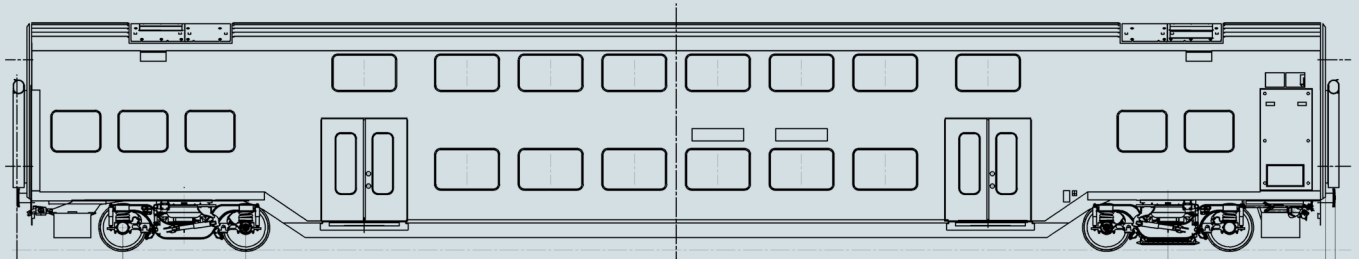
Viaggio Twin

Double-Deck Passenger Coach NDW for SBB and SZU

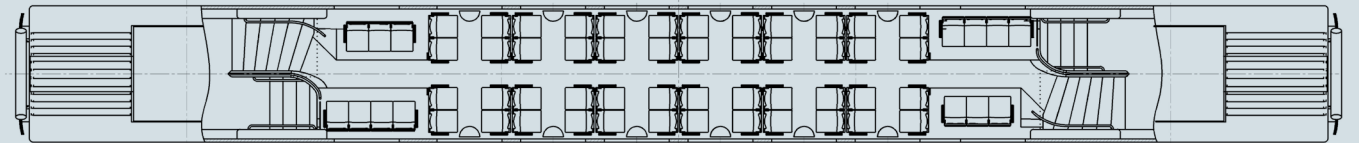
Viaggio Twin – Low Entrance Double-Deck Passenger Coach

- Barrier-free entrance, intelligent entrance system and spacious entrance area supporting quick and comfortable passenger entry
- Wheelchair area including suitable toilets (type SBB) and spacious seating area on ground level floor (type SZU)
- Innovative air conditioning due to demand-oriented air flow, CO₂ controlling and energy savings
- Minimal noise emission due to acoustical management in engineering and manufacturing
- Air-suspended SF100 bogies providing highest comfort
- Car diagnostic SIBAS-PN
- Manufacturing split with local added value through partner Bombardier Transportation Switzerland AG
- Delivery of 113 cars type SBB for Schweizerische Bundesbahnen
- Delivery of 8 cars type SZU for Sihltal-Zürich-Uetliberg Bahn

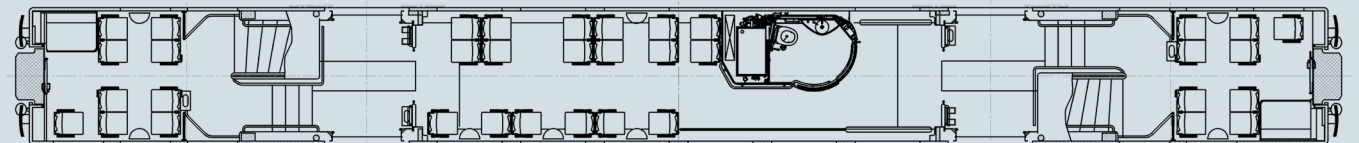
Technical Data	Typ SBB	Typ SZU
Car types	Double Deck Coach	
Max. service speed	160 km/h	
Track gauge	1,435 mm	
Length over buffer	26,800 mm	
Car height above ToR	4,618 mm	
Car width	2,780 mm	
Entrance	600 mm	
Pivot pitch	20,000 mm	
Bogie wheelbase	2,500 mm	
Bogie	SF100	
Brake system	2 discs per axle + Mg	
Wheelset load	19.0 t	
Seats	98	106
Max. standees	216	222
Toilets (wheelchair compatible)	1	–
Tara mass	52.12 t	51.57 t
Structure gauge	AB-EBV O2/U1	
Car coupler	Side bumper UIC528 Train equipment UIC522	
Power supply	1,000 V AC 16.7 Hz Complete power supply value 95 kVA 3 AC 400 V: max. 85 kVA; DC 110 V: max. 12 kW	



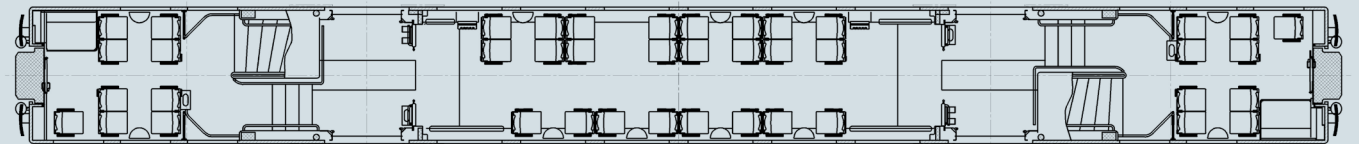
Upper deck



Lower deck SBB



Lower deck SZU



Siemens AG
 Infrastructure & Cities Sector
 Rail Systems Division
 Nonnendammallee 101
 13629 Berlin, Germany
 contact.mobility@siemens.com

© Siemens AG 2012
 Printed in Germany
 TH 166-120753 DB 08121.0
 Dispo 21704 c4bs 1421
 Order No.: A19100-V800-B817-X-7600

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

www.siemens.com