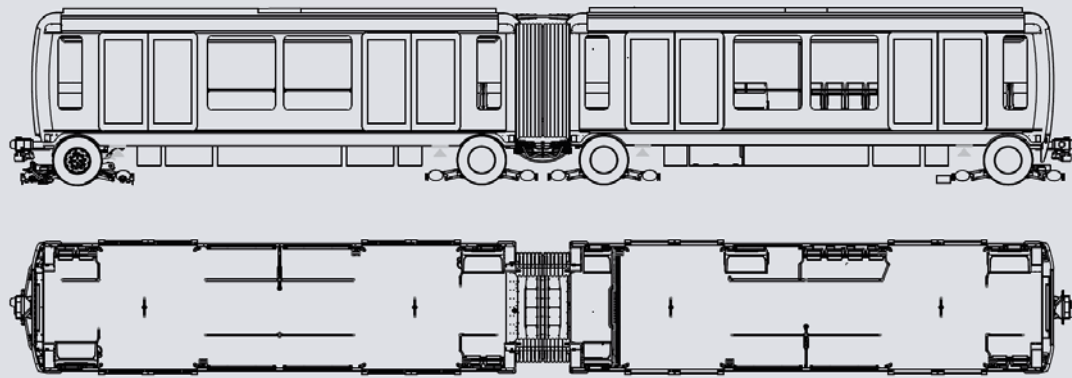**12 TWO-CAR VEHICLES**

Airval Frankfurt

Siemens Mobility is one of the world's leading suppliers of integrated mobility solutions for urban areas and of vehicles for local, regional, and main-line transportation.

The Neoval, is a fully automated, rubber-tire, people mover system that guarantees unequaled safety, efficiency and availability. With a modular design and great flexibility, the new generation Val is the results of 40 years of experience in fully automated mobility solutions.

Technical Data

Vehicle type/platform	Type Airval of the Neoval platform
Configuration	2-Car Train
Seats in the train	10
People possible to stand in the train	123
Length	22.40 m
Width	2.80 m
Height	3.725 m
Tare weight	32,255 kg
Car body material	Aluminium
Maximum speed	80 km/h
Power supply	750 VDC
CBTC GoA4	✓
Wi-Fi	✓

SIEMENS

Enhanced passenger experience
- Real-time information and entertainment: live digital information and onboard WI-FI
- Passenger comfort: floor to ceiling glazing, lighting, low level of noise, air conditioning, wide interior space, flexible seat configuration
- Wide entrance doors: 1.95 m
- No step on boarding and inside the train
- No technical equipment within the car

Increased value sustainability over the entire life cycle
- Electrical breaking down to 0 km/h can reduce energy consumption by up to 15% and guarantees low particle emission
- 95% recyclability of rolling stock
- Green depot design: rubble and waste management, demolition and disposal
- Reduced noise and vibration levels

Guaranteed availability
- Outstanding availability: 99.65%, 24/7 service
- Best-in-class Trainguard MT CBTC system used on all GoA4 Siemens projects worldwide
- 60 second headway between trains
- Highly flexible design, allowing for train configurations between 2 to 4 cars
- It can navigate steep gradients of up to 10% to 12%, and tight curves (down to 30 m in line) on viaducts and in tunnels
- Five billion passengers transported without accident

Intelligent systems & services
- Machine learning based on data collection for predictive maintenance and virtual test track aiming to 100% availability
- Advanced data analytics for enhanced performance and reduced operating costs
- Gradual services for Operation & Maintenance (full O&M, maintenance services, technical assistance,...)
- Built-in cybersecurity solution

Fixed passenger seat

View from wheelchair space

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