



# HEAVY RAIL PANTOGRAPH PANTO300

## HIGH CUSTOMIZATION AND COMPLIANCE WITH NEWEST TSI REGULATIONS AND EN50206-1 STANDARD

Panto300 is a pantograph family designed for heavy rail application under TSI regulations for operation mainly, but not only, in Europe. It is mounted at the roof of a rolling stock vehicle and ensures the current collection between overhead contact wire and the train under every condition.

The use of the pantographs of the Panto300 family enables a reduction of validation and qualification efforts by up to 40%, thanks to the use of TSI tested building blocks.



## KEY CUSTOMER BENEFITS

### Easier to Adapt

Standardized to max and consisting of building blocks, we are able to adapt to optional and additional requirements, e.g. install automatic dropping device for catenary protection, integrate high- and low-position detection systems, additional pressure switches for different operating pressures between 6 – 10 bar etc.

### Ready for Regional Requirements

All AC & DC applications with standardized collector head profiles according EN50602-1 e.g. B1, A6, A7 etc.

### Cost Optimization

Due to high grade of standardization, we can increase the level of similar parts which is giving us the opportunity to offer you and your end customer a cost-optimized system and reduced delivery lead time by optimized material turnaround times.

## PANTO300 MAIN PARAMETERS

Description	Parameters
Design speed	250 km/h
Weight	135 kg, +-5kg
Nominal voltage	1,5 KV DC - 25 kV AC
Maximum current	1000 A (according EN50206-1)
Operational current	600 A
Rated short-circuit current	40 kA
Static contact pressure force	70 N (60 - 120 N, statistically adjustable)
Compressed air supply	4 to 10 bar



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