

INTELLIGENT CURRENT COLLECTOR ICC

Trolleybus overhead line pantograph system

- Automatic wiring with lateral offset
- Low installation height of 528 mm
- Maximized usable installation space below the poles
- Current carrying capacities up to 600 A
- Simple and fast maintainability due to mounting concept and sensor technology
- compatible with CAN J1939
- Adjustable overhead line contact pressure between 80 and 150 N
- Constant overhead line contact pressure curve over the entire overhead line height range
- Complete system can be ordered with optional headlights, camera system and separating contactors
- compliant to functional safety (ISO26262)



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General

Thanks to its optimized dimensions, the Intelligent Current Collector (ICC) can be used in the most difficult conditions. For example, the ICC can be used in urban traffic with low clearance heights, such as bridge underpasses. At the same time, the installation space below the bars has been maximized so that other large devices, such as battery packs, can be efficiently distributed on the bus roof.

Functionally, the ICC is able to actively wire in laterally in addition to a purely vertical wiring process, so that time-consuming manual wiring processes can be avoided in the event of a lateral offset of the overhead line to the bus.

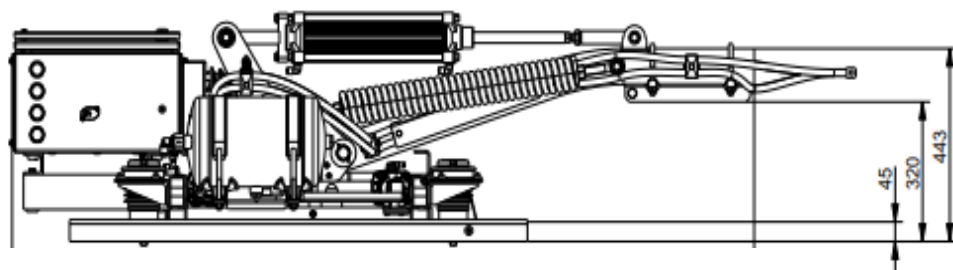
Helpful additional functions such as headlights or a camera system for observing the entire pantograph slewing area from the driver's cab simplify the operating procedure for the drivers and maintenance staff.

The ICC's integrated sensor technology supports maintenance work by automatically diagnosing faults and locating them quickly.

Technical data

Variants	ICC100 (Basic): System without lateral automatic wiring-in function ICC200 (Smart): System with semi-automatic wiring-in function (into funnel) ICC300 (Plus): System with fully automatic wiring-in function (without funnel)
Wide	1850 mm
Height	528 mm
Weight	< 420 kg (depending on equipment)
Maximum working voltage	900 V
Maximum current carrying capacity	600 A (for 10 minutes at standstill)
Overhead line voltage	750V nominal voltage
Reachable overhead line heights (depending on bus height)	3600 -7500 mm

Dimensions ICC



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