



Charging pantograph SLS101

The pantograph SLS 101 is designed as a single arm pantograph with an insulated multi-pole structure arm.

The single phases (positive, negative, grounding), which are insulated from each other, enable the contact to the charging station and thereby allow the current transmission.

Due to the design of the contact area it is assured to establish an equal contact force of the single phases.

The pantograph gets raised by spring force and lowered by an electric lowering unit, mounted into the base frame.

This design allows an extreme compact and light-weight arrangement of the complete charging system.

Standard Features

- Multi-pole design (Positive, Negative, Grounding)
- Pan head concept which ensures an equal contact force on each pole, independent from position/angle
- Zero-potential frame parts
- In the structure integrated raising/lowering actuation (1 Mio cycles)
- Position indication
- Simple maintenance, no special tools necessary
- Lock down latch
- Extreme durable and reliable design

Options

- 4-Pole system
- Supply voltage of 110V
- Manual emergency actuation by hand crank

Technical Data

- Maximum rated voltage 1800 V
- Charging current 500A - ∞ min
..... 1000A - 1min
- Supply voltage of electric lowering unit..... 24V DC \pm 30%
- Contact force (adjustable)..... 100N positive
..... 100N negative
..... 50N grounding
- Raising- / lowering time \leq 5sec.
- Weight \sim 80kg
- Operating temperature -30°C to +65°C
- Maximum working range 1060 mm