

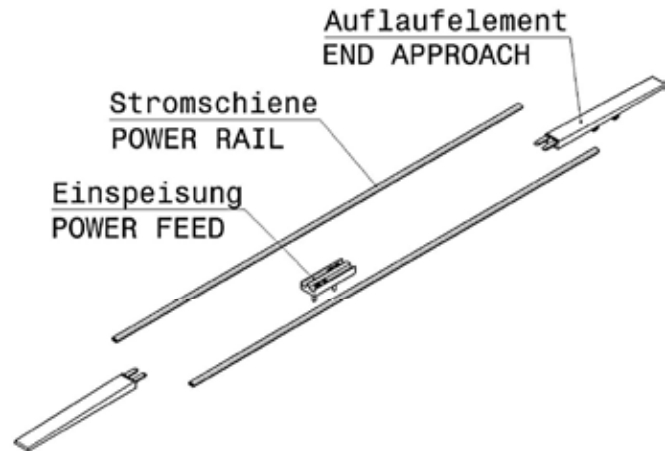


**CHARGING CONTACTS
SLS**



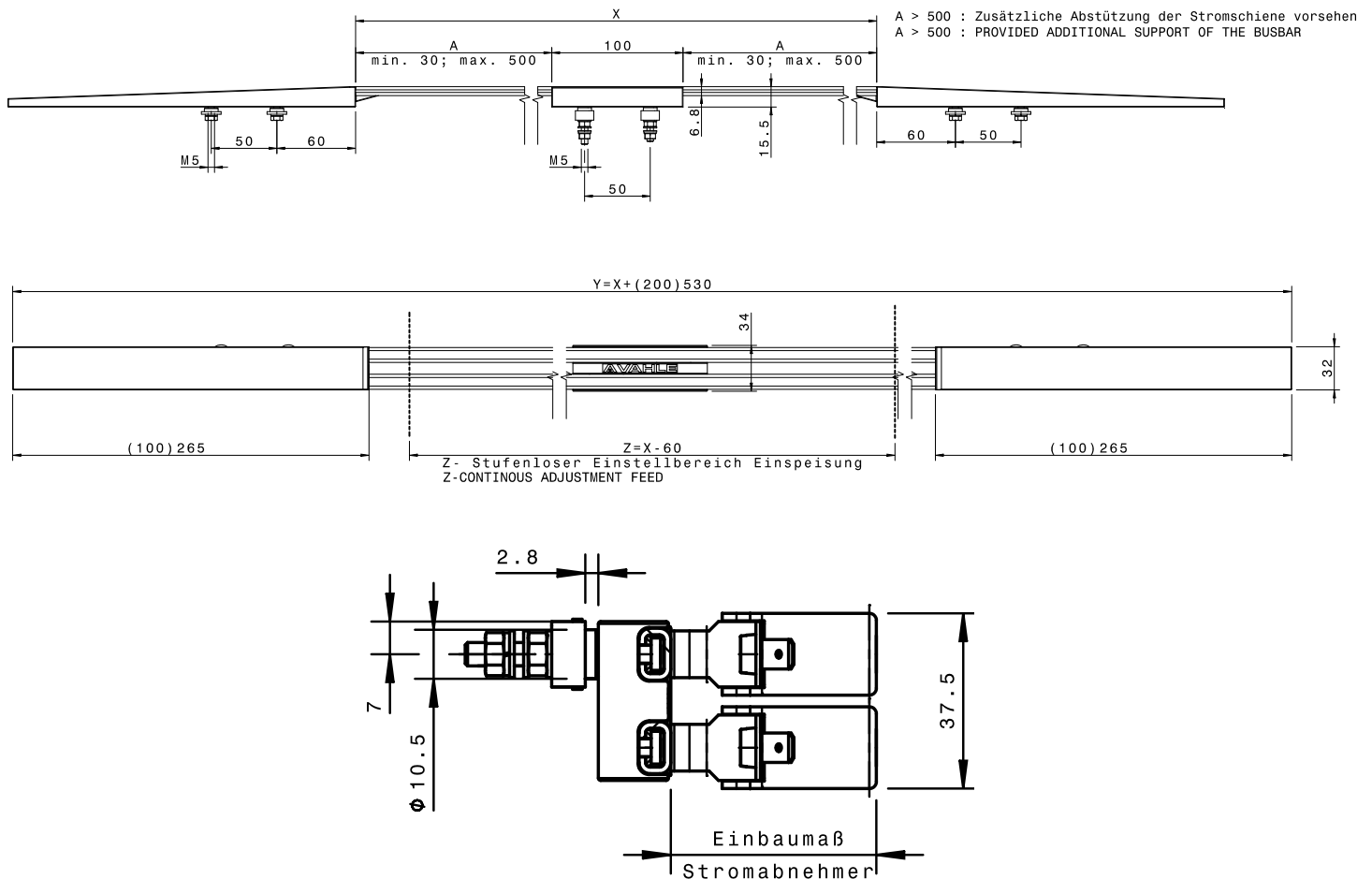
OVERVIEW

VAHLE's latest charging contact system - SLS was developed to meet the demands of hi-tech battery-powered shuttle sortation systems. Due to the extremely compact construction, SLS can be integrated into multiple locations along the shuttle track with no interference. Additionally, with robust wear-resistant components, SLS can withstand the high speed and work cycle of the most demanding shuttle systems. The modular design can increase in length up to 4 meters long to allow charging without the need to stop the vehicle.



Conductors	Voltage	Current	Duty Cycle	Max. Speed	Temp. Range	Application	Approvals
2	48V	100A (140A)	100% (40%)	4 m/s	-22 to +185°F	Indoor/covered Systems	UL

SYSTEM LAYOUT



SYSTEM COMPONENTS

CONDUCTOR PROFILE

4 m length*



Type	Description	Weight (lb)	Order-No.
SS-PCU140A/35-S4000	Conductor profile	2.75	101 1880

POWER FEED



Type	Description	Weight (lb)	Order-No.
ES-SLS-2-100	Power feed	0.35	590 592

ENTRY/EXIT RAMP



AFR-265-SLS-2-100



AFR-100-SLS-2-100

Type	Description	Weight (lb)	Order-No.
AFR-265-SLS-2-100	Drive in element 265 mm for 4 m/s	0.20	590 593
AFR-100-SLS-2-100	Drive on Element 100mm for 2 m/s	0.14	590 594

SYSTEM COMPONENTS

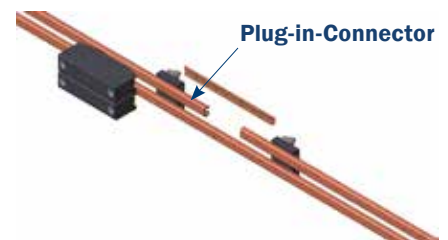
HANGER



Type	Description	Weight (lb)	Order-No.
SLS-2-14,5-K	Hanger SLS with clamping distance 3-5mm	0.10	590 614

PLUG-IN CONNECTOR*

Only with system length > 4 m



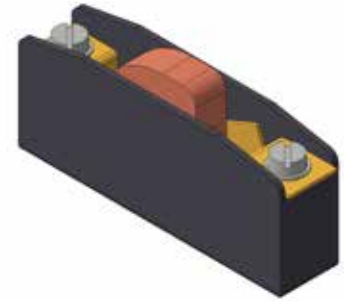
Type	Description	Weight (lb)	Order-No.
SV-60-140	Plug-in Connector	0.05	191 800

*When using the connector, a hanger must be installed on both sides of the joint with a distance of 70 mm.

SYSTEM COMPONENTS

CURRENT COLLECTOR ONST10

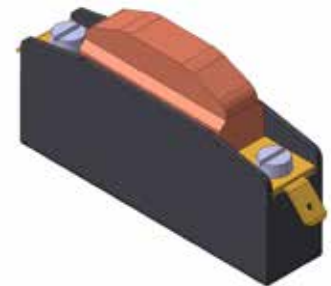
Contact pressure approx. 4N
 Max. current 20 A 100%ED
 Mounting height 37 mm
 Lift + 5 mm
 Double-sided bolted connection M5



Type	Description	Weight (lb)	Order-No.
ONST10R/28-37/0-0,0	Current Collector ONST10	0.24	166 546

CURRENT COLLECTOR ONST50

Contact pressure approx. 10N
 Max. current 50 A 100%ED
 Mounting height 38 mm
 Lift ± 4 mm
 Double-sided bolted connection M5
 Double-sided plug connection 6.3x0.8

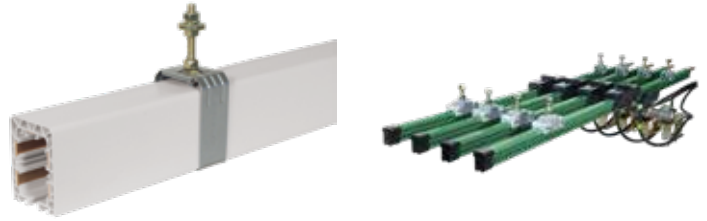


Type	Description	Weight (lb)	Order-No.
ONST50/20-38/0-0,0	Current Collector ONST50	0.24	590 619

OTHER PRODUCTS

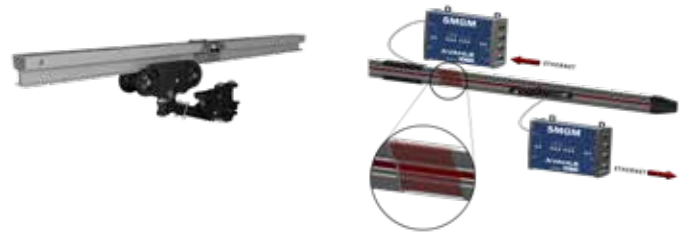
vCONDUCTOR

VAHLE's line of conductor bar solutions covering a wide range of applications. Available types include enclosed, compact, insulated unipole and open conductors.



vCOM

VAHLE vCOM communication systems offer fully secure wireless data transfer and communication using slotted microwave guides (SMG). Two models are available to meet a range of applications.



vPOS

VAHLE's exclusive absolute positioning systems supply realtime positioning to any mobile consumer. Available in three models - APOS Magnetic, APOS Contactless & APOS Optic.



vDRIVE CONTROL SYSTEMS

VAHLE's vDrive system provides a wide range of power stages between 0.75 kW and 1.5kW which offers a perfect match-up for any Electrified Monorail System (EMS). Additionally, a wide range of I/O are offered allowing maximum flexibility in any application.





SERVICE & SUPPORT

WE DEVELOP TAILOR-MADE SOLUTIONS FOR YOUR APPLICATIONS

The successful range of VAHLE systems is complemented by a comprehensive range of services tailored to meet our customers' requirements, including

- System design
- Project management
- Commissioning
- Engineering
- Installation & installation supervising
- After-sales service
- Product training courses
- Maintenance packages

We will be glad to apply our expertise to develop specific solutions for your company. Give us a call and arrange for an appointment to learn more about VAHLE systems and services to meet your requirements.



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