



Delivering performance proven solutions for buses



OSSP

Electric Outside Sliding Plug Door



Market leader in door technology for over 75 years

Fully integrated system contains actuator mechanism, door panels, mechanical linkages and electronic controller.

- Exact, consistent opening and closing speeds
- Provides obstruction sensing, advanced event logging, communication and diagnostic capabilities
- Optimal door edge sealing design

Improve Operational Efficiency, Safety and Enhance Vehicle Aesthetics



- + Wide door opening for fast passenger loading and unloading
- + Robust, patented, service-proven mechanism for smooth, quiet operation
- + Superior door edge seals eliminate conditioned air loss and blocks out external noise and dust
- + Plug geometry eliminates door panel intrusion and allows more passenger space
- + Intelligent electronic controller with Adaptive Threshold Obstruction Sensing
- + Self-optimizing door setup simplifies installation and adjustment

Ready to show



Ready to quote



Ready to produce



In production



Credentials:

- Exceeds all EU and North American requirements
- Field-proven for city bus and autonomous vehicles



Product specifications

Portal Opening:	
Single panel	1000 mm standard (39.3 inches)
Dual panel	1200 - 1420 mm (47.25 - 55.90 inches)
Unplug Excursion:	100 mm (3.94 inches)
Door Opening/Closing Times:	Fully programmable – 2.5 to 3.0 seconds typical
Obstruction Detection:	Electric or pneumatic Sensitive Edges Electronic motion control algorithms CLASS® Ultra optional
Emergency Release:	Pneumatically actuated
vDEC Controller:	Full range of functional capabilities and interface options
Communications Interface:	CAN bus
Diagnostics:	USB interface. Optional wireless interface.
Operating Voltage:	12VDC to 24VDC nominal
Operating Temperature:	- 20° to 60° C (- 4° to 140° F)
Design Life:	1,000,000 cycles
Drive Configuration:	Electric or pneumatic

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vDEC Controller



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