

Technical Data Sheet

ASSA ABLOY SL500 Surface Mount

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



The ASSA ABLOY SL500 automatic sliding door package for surface mount applications is readily fixed to existing structures with little or no modification. Well suited to retrofit construction for easy accessibility and ADA compliance, the ASSA ABLOY SL500 surface mount can be used with a wide range of door materials including wood, hollow metal and stainless steel.

The ASSA ABLOY SL500 Surface Mount comes in the following configurations:

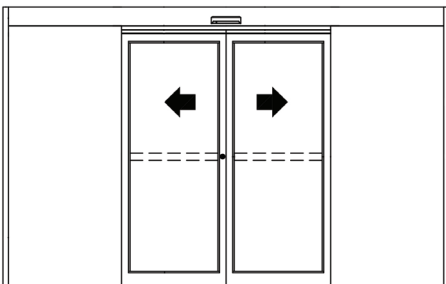
- Active Leaf only
- With sidelites
- With P-Panel tracks

Features

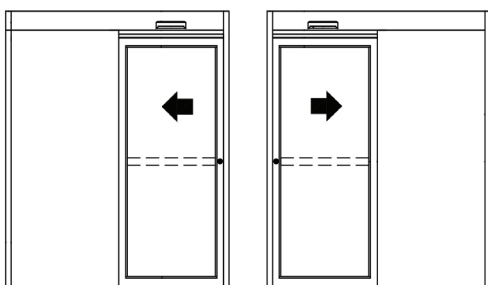
- Meets ANSI/BHMA A156.10 American National Standard for Power Operated Pedestrian Doors.
- UL 325 listed.
- Medium to heavy pedestrian traffic.
- Emergency breakout to meet Life Safety Codes.
- Heavy-duty 4" long anti-risers for improved stability, which results in smoother performance and less risk of "jumping" off track.
- Two heavy duty Delrin roller wheels per wheel assembly, for a total of four (4) roller wheels, 1-7/16 inch (36.51 mm) diameter, per active door leaf for operation over a replaceable aluminum track.
- Continuous hinge at top of header allows for complete access to operator and internal electronic and mechanical assemblies

Configurations

	Narrow	Medium	Wide
Vertical Stiles	2-1/8"	4"	5"
Bottom Rails	4"	7"	10"



SL500 Bi-Parting Narrow Stile



SL500 Single Slide Narrow Stile

Optional Features

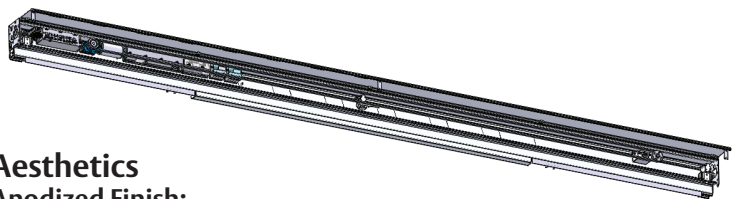
- Convenience Battery: Capable of full operation with blackout conditions, including sensor capabilities for minimum of 100 cycles.
- Digital Cycle Counter: Battery powered, 7 digit LCD cycle counter with a reset feature to track door usage cycles
- Eco Door Package - ASHRAE 90.1 Compliant
- Access Control Package
- Clean Room

Bi-Parting Narrow Stile			Single Slide Narrow Stile		
	Min	Max		Min	Max
Overall Frame Width	96"	201"	Overall Frame Width	78 1/4"	108"
Masonry Opening Width	43 1/2"	96"	Masonry Opening Width	36"	50 7/8"
Door Opening Width	36 1/4"	88 3/4"	Door Opening Width	32 3/8"*	47 1/4"
Mounting Height	91"	91"	Mounting Height	91"	91"
Rough Opening Height	84"	84"	Rough Opening Height	84"	84"

Max and Min Sizes apply for solutions with or without sidelites

Authorities	
Operator Type	DC Electro-mechanical 1/4 HP
Door Width	Max. 16'
Door Weight	300 lbs.
Power Supply	85V-265V adjusting automatically
Power Consumption	250W
AMP Requirements	A maximum of 3 amp draw, allowing 5 operators on one 20 amp circuit
Electro-Mechanical Locking Device	Fail Safe/Fail Secure
Glass Compatibility	1/4", 5/8", 1", 1-1/4"
Opening Time	1.5 Sec. Max. size* (700mm/sec.)
Closing Time	3.5 Sec. Max. size*
Hold Open Time	0-60 adjustable
Ambient Temperature	-31° F to 122° F (-35° C to 50° C)
Usage	This product can be installed internally or externally with suitable weather protection
Complies and exceeds	ANSI A156.10, ANSI A117.1, ICC/IBC - International Building Code, CUL - Approved for use in Canada, NFPA 70 - National Electrical Code, NFPA 101 - Life Safety Code.

* Consult ASSA ABLOY for custom configurations



Aesthetics

Anodized Finish:

Clear, Dark Bronze, Custom anodized to match architects sample.

Painted Finish:

Powder coat painted to match architect's sample.

Kynar finish, to match architect's sample.

Clad Finish:

Stainless steel with #4 satin finish.

Stainless steel with #8 mirror like, reflective, non-directional finish.

Bronze with a satin finish.

Bronze with a polished, non-directional finish.

Brass with a satin finish. Brass with a polished, non-directional finish.

Optional Features

Access Control Package

Electric Lock Management (Option)

Electrified slide lock automatically locks the sliding function of all sliding door panels within the entrance when the door panels are in the closed position.

- **Fail secure operation:** Slide lock shall lock the sliding function of the door panels upon loss of power.
- **Fail safe operation:** Slide lock shall unlock the sliding function of the door panels upon loss of power.

Exit Device

Locks the breakout function while allowing emergency egress at all times. Automatic locking for the sliding door when the door control switch is in the closed position.

- Recessed Exit Device
- Surface Mounted Exit Device

Complies with

1. ANSI A156.10, ANSI A117.1,
2. ICC/IBC - International Building Code.
3. UL/CUL - Approved for use in Canada and USA.
4. NFPA 70 - National Electrical Code.
5. NFPA 101 - Life Safety Code.

Activation

Sensor Package

ANSI A156.10

Combination Activation Motion Sensor/Safety Presence Sensor utilizing K-band microwave technology

1. Motion Sensor to activate door
2. Presence Detector while door is closing, mounted on each side of header

Knowing Act/Manual Activation

1. Push Plates to activate door
2. Presence Detector mounted on each side of header