

Technical Data Sheet ASSA ABLOY SL500 CGL



The ASSA ABLOY SL500 CGL sliding commercial glass door features the same powerful operator found in the standard ASSA ABLOY SL500 sliding door system. The package includes 4" anti-riser derailment guides and tandem carriage wheels for superior performance. The dazzling aesthetics extend right up to the door header, with a sleek, tapered header design that sits flush mounted to both the interior and exterior for seamless integration. Altogether, this sliding all-glass entry door lets you create an entrance with unique and memorable appeal.

Available Configurations and Applications

- Fixed Sidelite (FSL) configuration
- Full Breakout (FBO) configuration
- Interior applications
- Exterior applications

Design & System Highlights

- Attractive, shallow header sits flush to jamb or curtain wall providing remarkable aesthetics.
- Robust carriage wheels standard for increased stability and performance.
- Inconspicuous lock is available in bottom rail without compromising aesthetics.
- Tinted or etched glass can be provided for an extra element of style. Incorporate your corporate logo for additional impact.
- 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

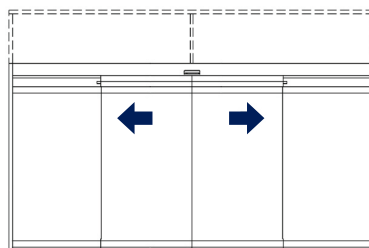
Configurations

Fixed Sidelite

available with 4", 7", and 10" bottom rail height.

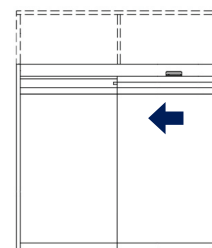
Full Breakout

available with 4" bottom rail height.



SL500 CGL
Overhead Concealed
Bi-Part

*Interior view of full
breakout shown.



SL500 CGL
Overhead Concealed
Single Slide

*Exterior view of fixed
sidelite shown, available
in left or right handed

	Bi-Part		Single Slide	
	Min	Max	Min	Max
Overall Frame Width (OFW)	120"	192"	84"	102"
Masonry Opening Width	120 ½"	192 ½"	84.5"	102 ½"
Door Opening Width	46 ⅞"	82 ⅞"	34 ⅞"	43 ⅞"
Mounting Height (FSL)	89 ¾"	120"	89 ¾"	120"
Mounting Height (FBO, bi-part up to 176" OFW and single slide up to 90" OFW)	89 ¾"	120"	89 ¾"	120"
Mounting Height (FBO at maximum OFW)	89 ¾"	96"	89 ¾"	96"
Transom Height (Max)		124"		124"

Operator Type	DC Electro-mechanical ¼ HP
Door Weight	220 lbs.
Power Supply	85V - 265V adjusting automatically
Power Consumption	250W
AMP Requirements	10AMP
Glass Compatibility	FBO ½" FSL ⅝" and ½" (heat strengthened safety glass)
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 factory for custom sizes

Aesthetics & Finish Options

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

Mechanical & Operational Features

- Heavy-duty 4" long anti-risers for improved stability, which results in smoother performance and less risk of "jumping" off track.
- Heavy duty Delrin roller wheels, 1 7/16" (36.51 mm) diameter, 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.

Optional Enhancements

- 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
- Magnetic catch(s) to retain breakout door panel(s) in the closed position. Standard on Full Breakout and optional on Fixed Sidelite.
- Door stiffeners available for Full Breakout
- The FSL utilizes a wet glazing process and the FBO utilizes a dry glazing process.

Access Control & Locking Options

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.

Codes, Standards & Listings

1. ANSI A156.10, ANSI A117.1
2. UL 325 Listed
3. ICC / IBC - International Building Code
4. CUL - Approved for use in Canada
5. NFPA 70 - National Electrical Code
6. 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