

### Features:

- Easy to mount to modular, welded or pan form shielded enclosures.
- Heavy-duty cam latch strikes for two-point latching.
- Series 201 can be acoustically enhanced for secure conference room applications.
- Precision machined aluminum hinges with thrust bearings for sag-free mounting and smooth operation.
- Clip-in-place beryllium copper fingerstock around the perimeter of RCM receiver with a removal channel for easy replacement.



Series 201 Electro-Latch Door



Door close activation switch



Electronic logic system

The Single Knife Edge<sup>™</sup> (SKE) Door with electro-latch semi-automatic operation comes in a heavy duty Series 201 model and offers superior knife edge door reliability, performance and longevity. The SKE Door features a precision formed knife edge, a proven Recessed Contact Mechanism (RCM), and a motorized two-point latching system to deliver reliable shielding, exceptional performance, convenient operation, and easy maintenance.

### Applications

The SKE Door is suitable for modular, welded, and pan-formed RF shielded enclosures, and is also ideal for secure or high traffic applications with its inherent strength and rigidity. Its tough construction makes this door an excellent, long-lasting choice

for high-performance government, industrial environments and frequent use applications. The door may be installed in new or existing enclosures.

### Construction

The ETS-Lindgren SKE door consists of a factory assembled leaf and frame which maintain electrical contact around the perimeter. The door panel is laminated on both sides with 24 gauge steel. The brass knife edge extrusion is mounted on the door leaf and the receiver housing is mounted to the frame. The door frame is constructed with a recessed channel into which two rows of beryllium copper fingerstock are clipped. The beryllium fingerstock is easily maintainable and replaceable with

standard tools.

The cam-driven locking device features a multi-point latch which is secured when the door is moved to a near closed position. At this point, the mechanism draws the knife edge of the door into its final closing RF-tight position. Reliable contact is achieved by the precise insertion of the brass knife into the RCM receiving channel.

The door can easily be opened via a push button from either side of the door. The cam type hardware is automated with an electric linear actuator energized and de-energized through a controller limit switch and reliable push buttons for latching and unlatching.

*Push button controls*



*Latching mechanism*



The emergency release system consists of two handles located at each side of the door, which when pulled to a horizontal position, can be removed to enable the door to be opened in the event of a power outage.

The Series 201 personnel doors have three precision-machined aluminum hinges. Each is fitted with adjustable thrust bearings that enable the door leaf to be accurately adjusted within the frame and to compensate for varying load conditions.

### Performance

The standard SKE Door, when tested in accordance with the procedures of MIL-STD-285, NSA 65-6/NSA 94-106, ITSG-02/IEEE 299 or EN 50147-1,

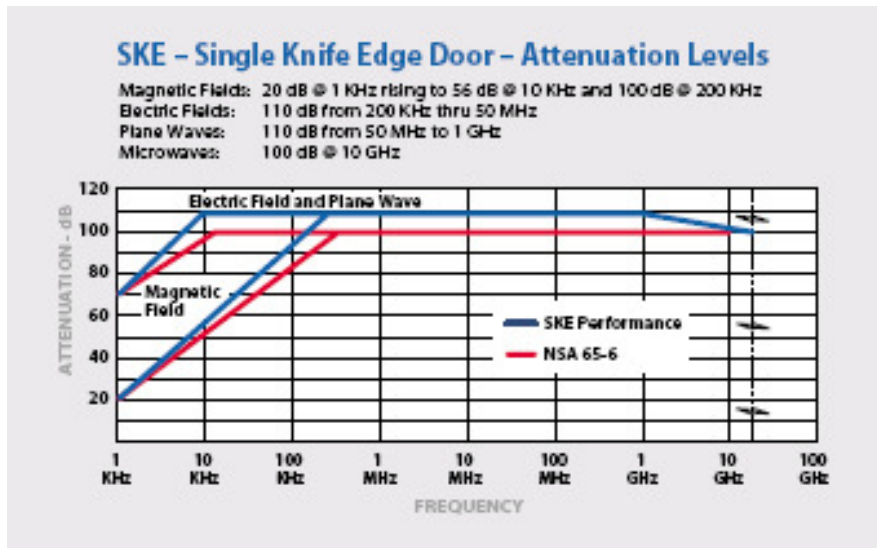
will exhibit shielding attenuation levels of 110 dB at frequencies up to 1 GHz and 100 dB up to 10 GHz.

### Interfaces

The Semi-Automatic Series 201 Door can interface with a variety of locks, latches, and security systems. Locking hasps and panic release systems may be incorporated, as well as contact mechanisms for emergency power cut-off and fire detection closure systems. The door can also be equipped with a ramp for heavy equipment transportation into the shielded area.

### Warranty

ETS-Lindgren's standard warranty covers both parts and labor for a period of one year from the date of the door installation. Maintenance programs and extended warranties are also available.



### Special Features

- RCM (recessed contact mechanism) for RF shielding
- Automatic latching
- Assisted door closing
- Emergency Release
- Long life expectancy with minimal maintenance
- Can be used in interlock installation with additional electro-latch doors
- Can be upgraded with battery back-up
- Can be interfaced with security systems
- State of the art, upgradable logic system
- Acoustic package option

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