

Arc-Resistant Switchgear

Make the safer choice.
Protects people
and equipment.



A history of putting safety first

For over 50 years, Avail Switchgear Systems has been at the forefront of safety with innovative switchgear development. Now an industry-leading, low-profile design that is Type 2C (2BC) compliant, and meets or exceeds U.S. and Canadian requirements, is available. Offered in a wide range of ANSI/IEEE ratings and configurations, Avail's arc-resistant switchgear feature utility-grade, welded, metal-clad assembly for reliability, safety and proven performance.

From top to bottom, an unmatched level of protection

Type 2C arc-resistant switchgear represent the highest level of ANSI/IEEE safety guidelines. Built into our arc-resistant switchgear is protection for personnel and equipment – both inside and outside.

Standard	Features
Type 2	Switchgear with arc-resistant construction at front, back and sides – allows for survival of maintenance personnel
Type 2B	Type 2 with low voltage instrument compartment
Type 2C (or Type 2BC)	Type 2B with arc-resistant barriers between adjacent internal compartments – intended to reduce collateral damage to adjacent compartments and equipment, as well as ensuring the safety of maintenance personnel working nearby.

In addition, an instrument compartment can be positioned above the breaker, and there are both breaker and PT viewing windows.

Superior testing creates superior solutions

Avail arc-resistant switchgear is type-tested to C37.20.7 at a world-class facility to ensure that it is fully compliant. Testing has been completed and results reported by a trusted and certified third-party source, and are available for customer review, upon request.

Utility grade and durably constructed, our arc-resistant switchgear meets or exceeds all appropriate IEEE, ANSI and NEMA requirements. All outdoor arc-resistant switchgear enclosures are designed for structural and seismic requirements based on the installation site zip code.



Safety you can see

Avail arc-resistant switchgear offer a range of innovative safety and technology benefits including a patented nine-point visible door latch that allows visible confirmation of proper latching to minimize potential human error.



Standard Features

- Nine-point visible door latch
- Double-walled switchgear construction
- 11-gauge seam-welded structure
- Continuously welded wall and roof panels to prevent leaks
- Removable roof sections for easy replacement
- Breaker bypass switch
- Upper auxiliary compartment with full Type 2C isolation
- Hinged rear doors
- Top/bottom bus/cable entry
- Direct roll-in breaker floor cell
- Breaker racking safety interlock

The Low-Profile Design Offers a Range of Benefits

- Lowest-profile plenum – fits in standard-height outdoor enclosure and electrical rooms, the result of a plenum design less than 20" high
- No complicated assembly of plenum on site
- No special shipping accommodations needed

Arc Resistant Ratings & Availability (1-H & 2-H)				
Rated Maximum Voltage (kV)	BIL (kV)	Max. Continuous Current (A)	Short-Circuit Rating (kA)	Accessibility Type
5	60	1200	25	Up to 2C (2BC) for 1-High
		2000	31.5	
		3000	40	
15	95	1200	25	Up to 2C (2BC) for 1-High
		2000	31.5	
		3000	40	



availinfra.com/switchgear-systems

7911 Old US Highway 54
Fulton, MO 65251
Phone: (573) 642-6811

6100 Romona Blvd.
Houston, TX 77086
Phone: (281) 506-3600

3110 Progress Drive
Oshkosh, WI 54901
Phone: (920) 232-8888