

ReliaGear™ busway

Lighter, smaller, easier to modify



ReliaGear busway combines benefits of the proven Spectra™ series busway, with the sophisticated technology of the SACE® Tmax® circuit breaker up to 800 A, fused switches up to 600 A in a plug-in unit and PTO up to 1200 A with SACE Tmax XT and 1600 A with Power Break II insulated case circuit breaker.

Key differentiators

- SACE Tmax XT technology with optional Ekip G Touch
- Rotary handle with LOTO built-in
- New modern look
- Fewer parts (switches, breakers, rotary handles and lugs)
- Elimination of yokes and handle linkage parts
- Improved weather protection design...indoor IP40 and IP54/55 (splash/drip)
- Clear line side cover allows for better inspection of strap connections
- All mylar labels – higher quality, longer lasting
- Fusible J class plugs – no fuse clips needed
- No painted or plated parts inside the plug – using G90 steel
- Better customer access to Neutral and Ground lugs
- Better customer access to fuses

Target markets

- Heavy industrial facilities
- Gas/oil refineries
- Data centers
- Hospitals
- Aviation facilities
- Commercial buildings
- High rise office or residential buildings
- Utility/vault service runs

ReliaGear™ busway is now available with a new modern look and the flexibility to scale for tomorrow. ReliaGear busway is ready to meet the ever-expanding needs of the marketplace while providing improved safety, reliability, and saving time and money. ReliaGear busway is a light weight, custom designed modular electrical power distribution system available up to 6000 A feeder style and 5000 A plug-in style.

OS and OT fusible switch plug-in unit combination

Type	Amperes	U/L class fusing	Fuse description	Short circuit ratings in Ampere RMS symmetrical
OS	30-600	J*	current limiting rejection	125,000
	30-600	H/NEC*	one-time	10,000
	30-600	R*	current limiting rejection	200,000
OT	600	J	current limiting rejection	200,000

* OS 600 A short circuit rating at 125,000

ReliaGear busway circuit breaker plug-in unit references and ratings

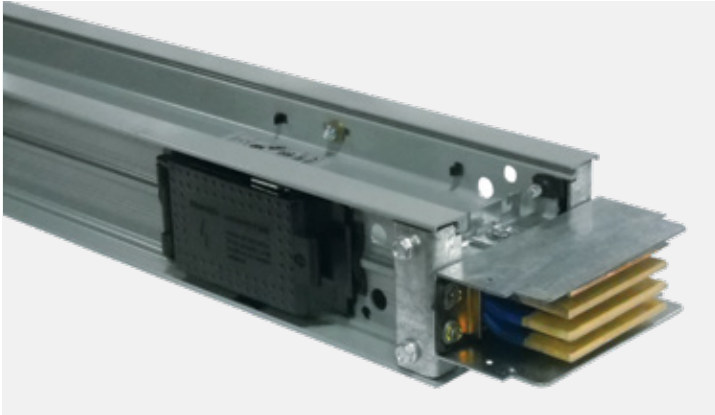
Construction	SACE Tmax frame	Trip ratings (amps)	Old frame type	Trip* ratings (amps)	XT frame IC ratings		
					240 V	380, 415 & 480 V	600 V
Low tier	-	-	SEDA	15-150	-	-	-
	XT2N	15-125	SEHA	15-150	65	25	18
	XT4N	70-250	SFHA	70-250	65	35	22
	XT5N	250-600	SGHA	250-500**	65	35	25
Mid-tier	XT7S	300-800	SKHA	300-800	65	50	25
	XT2S	15-125	SELA	15-150	100	65	25
	XT4S	70-250	SFLA	70-250	100	65	25
	XT5S	250-600	SGLA	250-500**	100	65	42
High tier	XT7H	300-800	SKLA	300-800	100	65	42
	XT2L	15-125	SEPA	15-150	200	100	35
	XT4L	70-250	SFPA	70-250	200	100	50
	XT5L	260-600	SGPA	260-500**	200	65	42
	XT7L	300-800	SKPA	300-800	200	65	42

* SACE Tmax XT2 and XT4 both are available at 80% and 100% UL rated. XT2 available only as Thermo Mag TMF <80 A and TMA 80-125 A; XT4 and XT5 available with either as Thermo Mag Adjustable or eKip trip unit; XT7 available only with Ekip

** Typical for all XT5 breakers

*** PTO with XT7 1000 A and 1200 A is available at 100% rated; requires conductors sized based on 75C with an insulation rating of 90C

Benefits of ReliaGear™ busway



ReliaGear™ busway provides a sustainable and flexible approach to power distribution.

By using ReliaGear busway in place of cable and conduit, operators realize savings in terms of capital, space, and installation time.



Simplified installation and reduced costs

Designed and built to fit specific layout needs, ReliaGear busway cuts labor time by up to half. ReliaGear busway eliminates the time-consuming tasks of forming conduit and pulling wire.



Flexible, compact design

Ideal for applications where space is limited. Due to its modular design, busway runs can be easily added, disassembled, and relocated with minimal effort.



Safe and reliable

Coupled with integrated safety features, busway provides increased reliability with durable epoxy insulation. ABB exclusive Blue Coat™ epoxy insulation provides the industry's longest insulation life of 50+ years.



Sustainability

When compared to cable and conduit, ReliaGear busway is the sustainable option using significantly less material.



Manufacturing for the future

ABB implemented new production technologies enabling a 30% capacity increase while reducing environmental impact.



Ratings to meet all requirements

Broad portfolio ranges up to 6000 A. Available in a variety of lengths and sizes to maximize space savings.

To learn more about ReliaGear busway, contact a local sales representative or visit

<https://electrification.us.abb.com/products/busway>