



SERIES-S TRACK BUSWAY

Flexible Power Distribution for Harsh Environments

INTRODUCTION TO STARLINE TRACK BUSWAY

Our legacy of innovation is the catalyst for this new era of power distribution.

Since 1987, Starline has been synonymous with “overhead power distribution made simple.”

In a world where power needs continue to evolve, power distribution systems have also evolved beyond traditional pipe and wire. Starline Track Busway has been the innovative, reliable solution for flexible power distribution. With its maximum versatility and incomparable reliability, our industry-leading electrical power distribution system helps facility managers across multiple industries answer the challenge of limited floorspace head-on.

A reliable power distribution system is essential to any facility. Wherever flexible power is needed, from data centers to commercial and industrial facilities, Starline Track Busway has been there with the highest quality materials and design, unrivaled flexibility, and customizable plug-in units.



NEXT GENERATION OF BUSWAY

Starline Series-S Track Busway combines the proven performance, functionality, and flexibility of Track Busway with the added benefit of an IP54 ingress protection rating.

Available from 100 to 1200 amps, Series-S Track Busway systems can be installed anywhere your power distribution system requires protection from dust, contaminants, or water splashes. The IP54 protection level extends to our uniquely designed plug-in units, which are offered with a wide variety of water-tight IEC and NEMA-rated devices to meet any need across numerous industries.



POWER DISTRIBUTION MADE EASY

Versatility

- Splashproof and dust resistant protection
- Plug-in units can be positioned at any point along the busway

Customization

- Power layout can be designed for specific needs
- Plug-in units are configured to order
- Optional revenue-grade metering

Cost-saving

- Cuts installation and modification time up to 90% compared to traditional power methods
- Plug and play design reduces costly and time-consuming changes
- No routine maintenance needed

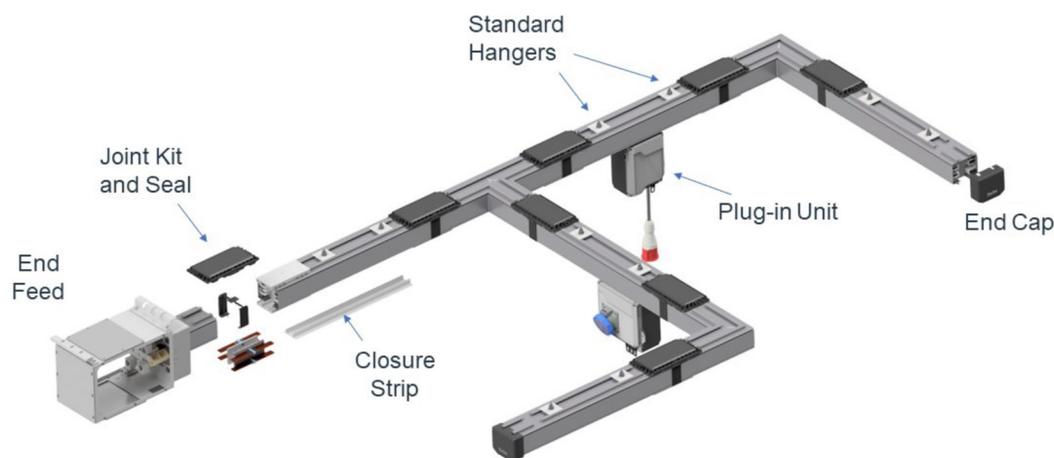
BUSWAY COMPARISON

	Standard	Series-S
IEC IP Rating	IP2X/IP3X	IP54
UL857	✓	✓
Closure Strip	Optional	Required
Start-Up Services	Recommended	Required
Corrosion-Resistant Coating	No	Yes
Joint/End Cap Seals	Not Required	Required
Plug-ins	Consult PSG	Series-S
Tap-off Seals	Not Required	Required (included in every Series-S plug)



SERIES-S LAYOUT/SYSTEM CHART

Overall System Components



DATA POWER AND CONTROL, STARLINE

Specifications	S3 Systems		S5 Systems				
	100/225	250	400	500	600	800	1000/1200
Ampacity	100/225	250	400	500	600	800	1000/1200
Rated C	22kAIC	35kAIC	42kAIC	42kAIC	65kAIC	65kAIC	65kAIC
IP Rating	IP54						
Conductor Type	Copper	Copper	Copper	Copper	Copper	Copper or Copper/Aluminum	Copper/Aluminum
Frequency Ratings	50/60Hz						
System Weight (10 ft. sections)	Straight Sections 26lbs	Straight Sections 34lbs	Straight Sections 95lbs	Straight Sections 115lbs	Straight Sections 115lbs	Straight Sections 142lbs*	Straight Sections 210lbs*
Support Distance	Max Distance 10ft						
Available Lengths	Standard: 5ft or 10ft						
Meets Standards	UL 857 IEC 61439 1, 6 CSA C22 2#27						

*standard ground, hybrid conductors

SERIES-S - FEATURES AND COMPONENTS SUMMARY

This table below provides descriptions for the various Ingress Protection (IP) ratings as listed in IEC 60529. General T3 busway is listed as IP2X. IP3X rating busway is available with additional accessories.

As the table indicates, for Series-S Track Busway's IP 54 rating, the first number (5) pertains to the solid particle protection and the second (4) pertains to the level of protection from water. The "X" indicates "Not Tested" for water protection.

For purposes of real-world application of the Series-S busway system, please consider these general guidelines:

Indoor or Protected Outdoor use

- Splashproof and sprinkler proof
- Highly dust-resistant
- Not waterproof or watertight
- Not subject to direct exposure to natural elements, such as wind, rain, sun, ice, etc.
- Not intended for direct outdoor use

IP RATING TABLE

Solid Protection		Water Protection	
0	 Not protected.	0	 Not protected.
1	 Protected against solid objects greater than 50mm, such as a hand.	1	 Protected against vertical falling drops of water. Limited ingress permitted.
2	 Protected against solid objects greater than 12.5mm, such as a finger. Commonly called "Finger safe".	2	 Protected against diagonally falling water (up to 15 degrees). 10 minutes at a rate of 1 mm/min.
3	 Protected against solid objects greater than 2.5mm, such as a screwdriver.	3	 Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted.
4	 Protected against solid objects greater than 1mm, such as a wire.	4	 Protected against water splashes from all directions. Limited ingress permitted.
5	 Dust protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment.	5	 Protected against jets of water. Limited ingress permitted.
6	 Dust tight. No ingress of dust.	6	 Protected against power jets of water. Limited ingress permitted.
		7	 Watertight. Protected against the effects of immersion in water between 15cm and 1m for 30 minutes.
		8	 Watertight against the effects of immersion in water under pressure for long periods.

Ratings in accordance with the International Electrotechnical Commission (IEC) - 60529, Degrees of Protection Provided by Enclosures (IP Code)

PLUG-IN UNITS/ TAP OFFS

Series-S plug-in units are designed to provide the same plug and play flexibility as plug-ins used with our other track busway systems. These plug-in units have been tested and certified to meet the additional IP54 ingress protection levels of the overall design.

Options:

1. Receptacle Box and/or Drop Cord Units
2. Circuit Breaker Only Units
3. Meter Plugs

General Specs:

- Three (5) Standard size enclosures
 - ES1 - Up to 3 poles available
 - ES2 - Up to 6 poles available
 - ES3 - Up to 9 poles available
 - ES4 - Up to 12 poles available
 - ES5 - Up to 12 poles available
- Clear cover protects breakers and meters while maintaining status visibility
- Outdoor-rated and impact-resistant material
- UV light and corrosion-resistant material
- NEMA & IEC water-tight devices available
- Breaker actuators for floor operability
- Lock-out lids and breaker
- Up to 600A and 600V per enclosure
- Compatible with Starline meters
- Wide range of configuration options



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