

E-Line TBX-E Multiconductor Trolley Busbar System

(Enclosed, 35–140 A*)

Product Features

- Enclosed, touch-safe PVC housing with tin-plated copper conductors for reliable current collection
- 4-pole or 5-pole configurations (with integrated PE) for power + control on the same run
- Straight and curved sections with quick-lock joints, joint covers, and thermal-expansion modules
- Mid-feed or end-feed boxes, easy section replacement, and color-coded phase identification
- Carbon-brush collector trolleys (single or double) with rugged towing arms for smooth travel
- Indoor/outdoor options with UV-stabilized housing and corrosion-resistant mounting hardware
- Compact hanger clamps compatible with I-beam brackets, C-channel/strut, and custom suspensions
- Low maintenance: self-wiping brush action, finger-safe design, and simple access for inspection
- Engineered for cranes, hoists, monorails, AS/RS lines, assembly conveyors, and transfer tracks

Product Description

E-Line TBX-E is a modular, enclosed conductor-rail (trolley busbar) system for delivering safe, continuous power to moving equipment. Its insulated housing, tin-plated copper bars, and self-wiping carbon collectors ensure stable current transfer with minimal maintenance. Installers can mix straight and curved pieces, add feeds anywhere, and manage thermal movement using purpose-built expansion elements. With 4- or 5-pole layouts (including a dedicated PE), the system neatly carries power and controls along the same route—ideal for overhead cranes, monorails, and automated handling lines in demanding industrial settings.

Product Specifications

System type:	Enclosed multiconductor conductor-rail (trolley busbar)
Rated current*:	~35–140 A (series-dependent)
Poles:	4 or 5 (with PE)
Conductor material:	Copper, typically tin-plated for reduced contact resistance
Housing:	Rigid PVC insulated casing; indoor and UV-stabilized outdoor variants
Protection:	Finger-safe design (touch protection at live parts); splash/dust resistance via enclosure
Feed options:	End-feed or mid-feed boxes; multi-feed for long runs
Collector trolleys:	Single/double carbon-brush types; flexible towing arms; quick shoe replacement
Sections:	Straight and curved rails; quick-lock joints with joint covers
Thermal management:	Expansion modules/slots to accommodate temperature-driven elongation
Suspension:	Hanger clamps and brackets for I-beams, strut/channel, and custom supports (trolley)
Operating temp.:	Approx. –20 °C to +55 °C (installation and load dependent)
Accessories:	End caps, joint kits, inspection covers, phase markers, anti-derail guides, alignment
Applications:	Overhead cranes, hoists, monorails, conveyors, AS/RS and transfer lines in industrial
Compliance (typ.):	Designed in line with relevant IEC/EN practices for conductor-rail systems and r

Note:

Exact ratings and available sizes depend on selected pole count, conductor cross