

E-Line TB Trolley Busbar System (Shrouded, Multiconductor)

Product Features

- Touch-safe insulated housing with continuous copper conductors for reliable current collection
- Available in 4- or 5-pole configurations (with protective earth) to carry power and controls on the same line
- Straight and curved rail sections with quick-lock joints and joint covers for fast assembly
- End-feed or mid-feed boxes; multi-feed layouts for long runs and balanced voltage drop
- Single or double carbon-brush collector trolleys with robust towing arms and quick shoe replacement
- Expansion modules/joints to accommodate thermal movement along the track
- Indoor and outdoor variants (UV-stabilized housing; corrosion-resistant hardware)
- Compact hangers compatible with I-beam clamps, C-channel/strut, and custom suspensions
- Low-maintenance operation thanks to self-wiping collectors and finger-safe design
- Ideal for cranes, hoists, monorails, conveyors, AS/RS and transfer lines

Product Description

E-Line TB is a modular, shrouded conductor-rail (trolley busbar) system engineered to deliver safe, continuous power to moving equipment. The insulated carrier and tin-plated copper bars provide stable current pickup with minimal maintenance, while plug-together straight and curved sections let you follow complex routes. With 4- or 5-pole layouts—including a dedicated protective earth—the system neatly combines power and control circuits on the same track. Feed anywhere along the run, manage expansion with dedicated elements, and mount quickly using standard hangers and brackets—making TB a dependable choice for overhead cranes, monorails, and automated handling lines.

Product Specifications

System type:	Shrouded multiconductor conductor-rail (trolley busbar)
Rated current:	Series-dependent (select by conductor cross-section, duty cycle, and ambient)
Poles:	4 or 5 (with PE)
Conductors:	Copper, typically tin-plated for low contact resistance
Housing:	Rigid, self-extinguishing PVC carrier with open collector slot; indoor/outdoor options
Protection:	Touch-safe shrouded profile; splash/dust-resistant design
Feed options:	End-feed or mid-feed boxes; multi-feed capability for long lines
Collector trolleys:	Single/double carbon-brush types; flexible towing arms; quick shoe replacement
Sections:	Straight and curved rails; quick-lock mechanical joints with joint covers
Thermal management:	Expansion modules/slots for temperature-driven elongation
Suspension:	Hanger clamps/brackets for I-beams, strut/channel, and custom supports (typical)
Operating temperature:	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

Selection notes:	Choose pole count, conductor size, and feed locations based on current, voltage
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