

# E-Line MK Small-Power-Range Busbar System (100–250 A)

## Product Features

- Suited for small power applications up to 250 A
- Flexible orientation: horizontal or vertical installation
- Tin-plated aluminum or copper conductors for enhanced conductivity and corrosion resistance
- Available in 4- or 5-conductor configurations, including a Clean Earth (grounding) option
- Plug-in tap-off outlets every 50 cm on both sides for convenient energy access
- Durable sheet-metal housing with RAL 7038 epoxy-polyester coating
- IP55 protection class, ensuring resistance to dust and water splashes
- Fast and easy mounting enabled by single-bolt block joints with shear-head nuts
- Self-extinguishing UL V0-rated plastic tap-off boxes for added safety
- Safety design includes interlock mechanisms and maintains IP2X protection when tap-off covers are open
- Includes flexible elbow and expansion modules for easy routing and building expansion adaptability
- Standard provision of 10 plug-in power feeding points (5 on each side)

## Product Description

The E-Line MK Busbar System is a compact and cost-efficient electrical distribution solution designed to handle small-power requirements—ranging from 100 A to 250 A—across a variety of environments such as workshops, small-scale industries, data centers, and retail spaces. It supports both horizontal and vertical installation, and its modular nature simplifies layout planning and expansion. Constructed with tin-plated aluminum or copper conductors and a resilient sheet-metal housing (epoxy-painted), the MK ensures long-lasting performance. The inclusion of plug-in tap-off points every 50 cm, along with safety-focused features like interlocks and IP2X compliance when open, provides secure and user-friendly operation. It also boasts flexibility through specialized elbows and expansion modules, making it ideal for dynamic layouts and future-proof installations.

## Product Specifications

Current Ratings:	100 A, 160 A (aluminum); 100 A, 160 A, 225 A (copper); up to 250 A design cap
Installation Orientation:	Horizontal or vertical
Conductors:	Full-length tin-plated aluminum or copper
Conductor Configurations:	4-wire (L1, L2, L3, N + PE via housing) or 5-wire; includes Clean Earth option
Tap-Off Outlet Spacing:	Every 50 cm along both sides
Housing Material & Finish:	Sheet-metal enclosure with RAL 7038 epoxy-polyester coating
Protection Rating:	IP55, with IP2X protection even when tap-off box cover is open
Mounting & Joint Design:	Single-bolt block-joint assembly using shear-head (broken) nuts—no torque wre
Tap-Off Boxes:	UL V0 self-extinguishing, halogen-free plastic; interlock mechanism cuts power
Safety Features:	Maintains IP2X when open, interlocked tap-off covers
Expansion & Layout Flexibility:	Modular elbows and dilatation units for directional changes and building movem

Standard Power Feeding Locations:	10 plug-in points per standard length (5 on each side)
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