

E-Line KX Compact Busbar System (400–6300 A)

Product Features

- Wide current range: 400 A – 6300 A
- Modular design for horizontal & vertical distribution
- Bolt-on and plug-in tap-off options
- Compact construction ensures minimal voltage drop
- Extruded aluminum housing with RAL7038 electrostatic paint
- Tin-plated conductors at joint points for improved performance
- B-class polyester film insulation with epoxy-coated conductors
- High short-circuit resistance
- IP55 protection standard (IP67 optional)
- One-bolt joint system for fast, secure installation
- Resistant to fire, seismic stress, and electromagnetic interference

Product Description

The E-Line KX Busbar System is a compact and modular power distribution solution engineered to deliver reliable energy transmission from 400 A to 6300 A. Designed for both industrial and commercial applications, it offers flexibility with bolt-on and plug-in tap-off units for efficient load distribution. Its robust extruded aluminum housing and tin-plated conductors guarantee long service life, while the compact structure minimizes voltage drop and optimizes energy efficiency. With IP55 protection (and IP67 optional), superior mechanical strength, and resilience against fire and seismic activity, the E-Line KX Busbar is ideal for factories, high-rise buildings, malls, hospitals, data centers, and oil & gas facilities.

Product Specifications

Current Range	400 A – 6300 A
Tap-Off Options	KXB Bolt-On Boxes: 160–1000 A KXP Plug-In Boxes: 160–630 A
Housing	Extruded aluminum, painted RAL7038 (electrostatic coating)
Conductors	Tin-plated at joint points
Insulation	B-class polyester film with epoxy coating
Protection	IP55 (IP67 optional)

Conductor Configuration

Aluminium or Copper Conductor: - 3 Conductor (L1/L2/L3/PE Housing) - 4 Conductor (L1/L2/L3/N/PE Housing) - 4 ½ Conductor (L1/L2/L3/N/½ PE/ PE Housing) - 4 ½ Conductor (L1/L2/L3/N/½ CPE/ PE Housing) – Clean Earth - 5 Conductor (L1/L2/L3/N/PE/ PE Housing) - 5 Conductor (L1/L2/L3/N/CPE/ PE Housing) – Clean Earth

Mechanical Properties

- High short-circuit resistance
- Seismic & fire resilience
- EMI reduction
- Enhanced cooling capacity due to compact design
- Quick and secure installation with one-bolt joints





