

# E-Line KO-II Medium-Range Busbar System (160–800 A)

## Product Features

- Current capacity range: 160 A to 800 A
- Designed for horizontal and vertical mounting
- Aluminum or copper conductors, tin-plated for improved conductivity and longevity
- Available in 4, 4½, or 5-conductor configurations
- Plug-in outlets every 50 cm on both sides for flexible energy access
- Clean Earth option for sensitive grounding requirements
- Sheet metal housing with optional epoxy-polyester powder coat (RAL 7038)
- IP55 protection rating against dust and water splashes
- One-bolt block joint design for quick, secure installation
- Compact structure ensures low voltage drop and cost efficiency

## Product Description

The E-Line KO-II Busbar System is a medium-range electrical distribution solution delivering reliable performance between 160 A and 800 A. Its flexible design allows for horizontal or vertical installation, making it suitable for a wide variety of commercial and industrial environments. Constructed with tin-plated aluminum or copper conductors, the KO-II provides excellent durability and electrical efficiency. The inclusion of plug-in outlets every 50 cm, along with optional Clean Earth configurations, ensures versatile and safe power distribution. Its sheet-metal housing with an optional electrostatic powder coating guarantees durability, while the IP55 protection rating provides resilience in challenging conditions. Compact, efficient, and easy to install with its one-bolt joint system, the KO-II busbar system is ideal for factories, malls, hospitals, high-rise buildings, data centers, and other facilities requiring dependable medium-capacity power distribution.

## Product Specifications

|                           |   |
|---------------------------|---|
| Current Range:            | 160 A – 800 A   |
| Mounting Options:         | Horizontal or vertical  |
| Conductor Material:       | Tin-plated aluminum or copper   |
| Conductor Configurations: | 4, 4½, or 5 conductors  |
| Tap-Off Spacing:          | Every 50 cm on both sides   |
| Special Options:          | Clean Earth conductor configuration   |
| Housing:                  | Sheet metal, optional epoxy-polyester powder coat (RAL 7038)                                      |
| Protection Class:         | IP55  |
| Joint Mechanism:          | One-bolt block-joint system   |
| Design Advantages:        | Compact design, low voltage drop, fast installation, strong electrical and mechanical reliability |
| Applications:             | Factories, textile plants, automotive facilities, malls, hotels, hospitals, high-rise buildings   |

## Conductor Configuration

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

## Conductor Material and Rated Currents

E-Line KO-II Busbar

### **Aluminium Conductor:**

160A / 250A / 315A / 400A / 500A / 600A / 630A / 800A

### **Copper Conductor:**

250A / 315A / 400A / 600A / 800A

## Tap Off Boxes

E-Line KO-II Busbar

- Three phase tap off boxes with DIN mounted MCB up to 40A or 80A (empty or fuse included)
- Tap off boxes with SYK switch fuse up to 160A, 250A and 400A (excluding fuses)
- Tap off boxes with MCCB (molded case circuit breaker) with current ratings up to 160A, 250A and 400A
- Special design data center tap off boxes