

# E-Line KD Data Rack Busbar System (160–1000 A)

## Product Features

- Current capacity from 160 A to 1000 A
- Plug-in tap-off boxes attach anywhere along the busbar, enabling easy Moves, Adds, and Changes (MACs)
- Choice of aluminum or copper conductors, with up to six conductors available
- Mono-block joint mechanism ensures durable electrical and mechanical connections
- Vendor-neutral energy monitoring capability for third-party integration
- Secure tap-off design with whisker-free contacts, covered tap points, safe alignment, and cable locking
- Snap-in suspension mechanism and single-bolt alignment for fast installation
- IP23D protection rating, suitable for data center environments
- Fully compliant with IEC 61439-6 standards

## Product Description

The E-Line KD Data Rack Busbar System is designed to meet the demanding requirements of data centers and IT infrastructure. With a current capacity ranging from 160 A to 1000 A, it enables flexible and reliable power distribution. The system allows tap-off boxes to be connected anywhere along the busbar, making it perfect for fast Moves, Adds, and Changes (MACs). Offering both aluminum and copper conductor options, the KD busbar provides design flexibility and cost efficiency. It features a mono-block joint system for dependable long-term performance, along with a snap-in suspension mechanism for simple and secure installation. With advanced safety features, IP23D protection, and compliance with international standards, the E-Line KD is a dependable and scalable solution for modern data centers.

## Product Specifications

Current Range:	160 A – 1000 A
Tap-Off Type:	Plug-in anywhere along the busbar
Conductor Materials:	Aluminum (160–630 A) or Copper (250–1000 A), tin-plated, up to six conductors
Joint Mechanism:	Mono-block, single-bolt alignment
Installation:	Snap-in suspension for quick mounting
Protection Class:	IP23D
Standards Compliance:	IEC 61439-6
Voltage Rating:	Insulation voltage up to 1000 V
Insulation:	Class B, epoxy-coated, conductor temperature rise $\leq 100$ °C
Applications:	Data centers, IT facilities, mission-critical infrastructure

## Technical Features

### KD Busbar Technical Features

- Plug-n-Play

- Al or Cu - up to 6 Conductors
- Whisker Free Tap-Off Contacts
- AC or DC Feed
- IP23D Protection
- Mono Block Joint Mechanism
- Snap-In Suspension Mechanism
- KD Plug-in 125A Aluminum Case Tap Off Boxes
- Tap-Off Boxes with Safe Locking Mechanism
- Tap-Off Boxes Energy Monitoring with Vendor Neutral Components