

E-Line CR Cast Resin Busbar System (630–6300 A)

Product Features

- Handles high current capacities from 630 A up to 6300 A
- DUROCOMP cast resin body (epoxy resin + silicon minerals) for superior insulation, thermal endurance, and mechanical strength
- Tin-plated aluminum or copper conductors for excellent conductivity and long service life
- Rated IP68 / IP69k for maximum dust and water protection, suitable for outdoor and harsh environments
- Certified fire resistance up to 3 hours, with continuity under fire and compliance with multiple fire standards (IEC, DIN, ISO)
- Designed for seismic resilience, tested under IEC and IEEE earthquake standards
- Resistant to corrosion, chemicals, tropical climates, and pests
- ATEX-compliant for explosive atmospheres
- Low voltage drop, strong short-circuit withstand, and efficient heat dissipation
- Fully compatible with E-Line KX busbar systems for modular integration

Product Description

The E-Line CR Busbar System is engineered for heavy-duty, high-capacity power distribution ranging from 630 A to 6300 A. Its unique cast resin housing (DUROCOMP) ensures unmatched reliability in extreme operating conditions by combining high dielectric strength, mechanical durability, and thermal stability. With IP68/IP69k protection, the CR series performs safely in outdoor and aggressive environments while delivering long-lasting performance. Certified for fire continuity up to 3 hours, as well as seismic and chemical resistance, it ensures uninterrupted operation in critical infrastructures such as power plants, petrochemical sites, tunnels, harbors, and heavy industry. Thanks to tin-plated copper or aluminum conductors, compact structure, and modular compatibility with E-Line KX systems, the CR series offers efficiency, reliability, and safety in the most demanding applications.

Product Specifications

Current Range:	630 A – 6300 A
Housing:	DUROCOMP cast resin (epoxy + silicon minerals)
Conductor Material:	Tin-plated copper or aluminum
Ingress Protection:	IP68 / IP69k
Fire Resistance:	3-hour continuity (IEC 60331-1, DIN 4102-12, ISO 834)
Seismic Resistance:	IEC 60068-3-3, IEC 60068-2-57, IEEE 693
Environmental Resistance:	Corrosion-resistant, chemical-resistant, pest-resistant, tropical-resistant
ATEX Compliance:	Yes (explosive environments)
Performance:	High short-circuit resistance, low voltage drop, efficient cooling
Compatibility:	Modular with E-Line KX busbars
Applications:	Transformer galleries, oil & gas facilities, nuclear/power plants, cement plants, p