INTRODUCING

KILOVAC EV210 SERIES CONTACTOR

- **Smaller size, higher performance**
- **500+ AMPS, 1500 VDC**



TE Connectivity (TE)'s EV210 series high-voltage DC contactor is designed for control in new energy applications. The EV210 product line is an innovative and reliable solution for EV charging stations, solar inverters, battery energy storage systems, automated-guided vehicles (AGV) e-Forklifts and industrial applications. EV210 is hermetically sealed with high performance dielectric epoxy technology and enable high switching capability up to 1500 VDC. Additionally, the integrated PWM module minimizes its size, making it a space saving solution.

APPLICATIONS

- EV DC fast charge stations
- Battery energy storage systems
- Alternate energy
- Hybrid electric mobility systems (HEMS) and eVTOL charge infrastructure

ELECTRICAL

- Continuous (Carry) Current, Typical 500 A at 85°C (400 mcm conductors)
- Rated Operating Voltage 12-1500 VDC
- Contact Resistance, Typical (@200 A) 0.2 mΩ
- Built-In Coil Economizer 1.7 W hold power @ 12 Vdc, limits back EMF to 0V
- Auxiliary Contact Current, Maximum 2 A at 30 Vdc / 3A at 125 VAC || Minimum 10 mA at 5 Vdc
- Auxiliary Contact Resistance, Maximum 0.417 ohms at 30 Vdc / 0.150 ohms at 125 VAC
- Mechanical Life 500000 Cycles
- Dielectric Withstand Voltage 5375 Vdc
- Insulation Resistance at 500 Vdc 100 Megohms

KEY BENEFITS

- **Capable** - Higher level of break cycles at 1500 V possible for customer required current levels
- **Robust** - Strong coil actuation system means higher operational performance and product stability
- **Efficient** - Auxiliary contacts options aids in better battery management in high voltage isolation applications
- **Standardization** - UL recognition and RoHS compliance aids in obtaining customer system certification and acceptance while meeting the global material compliance requirements

STANDARDS AND SPECIFICATIONS

- UL recognized for the US and Canada: File E208033
- CE marked for EC applications
- AIAG QS9000 designed, built and approved

LEARN MORE

- Landing Page
- Brochure

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