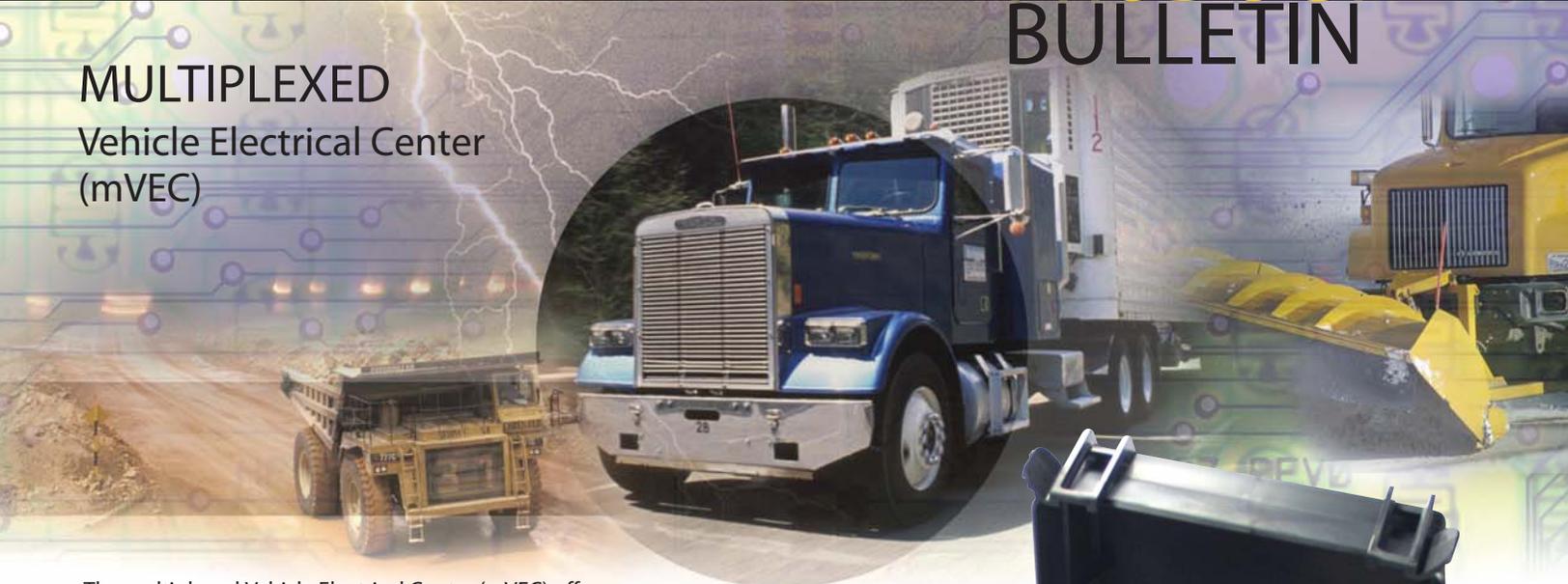


31M Series Multiplexed Power Distribution Module

**MULTIPLEXED  
Vehicle Electrical Center  
(mVEC)**



The multiplexed Vehicle Electrical Center (mVEC) offers economical CAN Network oversight for high power circuits in vehicle power distribution. Manufactured as a hardened and weather tight module, the mVEC is rated at 200 Amps. The mVEC may be configured to provide various OEM circuit protection and switching functions, using industry standard fuses, relays and breakers, with the status and control of each circuit accessible through J1939 messages. The mVEC is based on proven and patented technology and is suited for the most demanding transportation vehicle applications.



**High Power:** The mVEC uses patented Bussmann VEC 'power grid' technology, ideal for high current circuits, and Vansco Networking Electronics. Each mVEC is rated at 200 Amps, with outputs up to 30A, - 64 outputs are possible with the mVEC. 12 and 24 volt systems are supported.

**Rugged:** Waterproof to high pressure spraying (IP66 equivalent). The mVEC is designed and manufactured with robust features such as a heavy duty housing, silicon and Gortex gasketing, and protective conformal coated electronics, to operate in demanding automotive environments such as those found in Construction, Agriculture, Heavy Truck, Bus, RV, Marine and Specialty Vehicle markets.

**Flexible:** The mVEC is offered in various standard and customized versions. Custom versions are configured to OEM wiring requirements. The mVEC accepts fuses, relays, circuit breakers, resistors, diodes, etc.- based on industry standard 2.8mm footprint.

**Cost Effective:** An alternative to high current, solid-state power distribution modules and features serviceable components.

**Reliable:** The mVEC controls relays and sends information on the status of relays and fuses via the data bus to the CAN-bus.

