Introducing the ruggedized version of the Eaton Controls and Power Conversion Dual Vehicle Electrical Center, the ‘Severe Service’ DVEC (ssDVEC). This version of the DVEC features unequaled performance in power distribution in an IP66 compliant enclosure. The ssDVEC is capable of operating in various environments such as those with high vibration and moisture, up to direct high pressure spray. The ssDVEC provides efficient and compact power distribution for OEMs with demanding applications in the transportation industry including construction, agriculture, heavy trucks, bus, marine and specialty vehicles.

As with all DVECs, the ssDVEC uses the patented Eaton ‘power grid’ technology easily programmable to accommodate various OEM wiring requirements.

Eaton DVECs all feature a unique color-coded and keyed connector system, and accepts common plug-in fuses, relays, circuit breakers, resistors, diodes, etc., based on the industry standard 2.8mm footprint.

Additionally the ssDVEC has these new features:

- Durable plastic housing featuring a Gortex vent
- Internal silicone gasketing between all seams and plastic to terminal interfaces
- Internal spare fuse holder and socket for fuse extraction tool
Series 32S Severe Service DVEC (ssDVEC)

Specifications

**Capacity:** 400A maximum rating; 30A per output pin, and 100A per output connector; Maximum of 24 relays and/or 64 fuses, or various combinations thereof (unique design configurations may be required)

**Materials:** Housing and connector cavities: 94V0 rated thermoplastic Internal power grid: tin-plated copper

**Operating Temperature Ratings:** -40°C to 105°C
**Ingress Protection:** IP66 compliant
**Foot Torque Rating:** 200 to 300 in-lbs with standard compression limiters

**Connections:**

**Output:** Standard Eaton VEC connectors
- 8-way, colored/keyed, sealed connectors
- 30A max per terminal
- 100A max per connector
- Accepts Packard Metri-Pack 280 Series terminals (tanged/tangless)

Specifications (Cont)

**Input:**
- Studded input option: supports two MB input power studs for DC power into the VEC power grid (100A max per stud)
- Connectorized: accepts up to 4 Eaton 32004 VEC connectors (2 terminal, colored/keyed, sealed connectors)
- 60A max per terminal, providing power to the VEC Power Grid; uses Packard 800 series

Options

1. Labeling to customer specifications
2. Stuffed (with/without components including, but not limited to: fuses, relays, diodes, circuit breakers, fuse puller)
3. Customized circuit layouts
4. Power Connector
5. Cover marking: laser etching outside

Dimensions - (mm)

- Connector 1: 83 mm
- Connector 2: 94 mm
- Connector 3: 147 mm
- Connector 4: 160.8 mm (6.3 in)
- Connector 5: 212 mm
- Connector 6: 230 mm

- Diameter: 8.4 mm
- Optional laser etching
- Optional bus bar

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