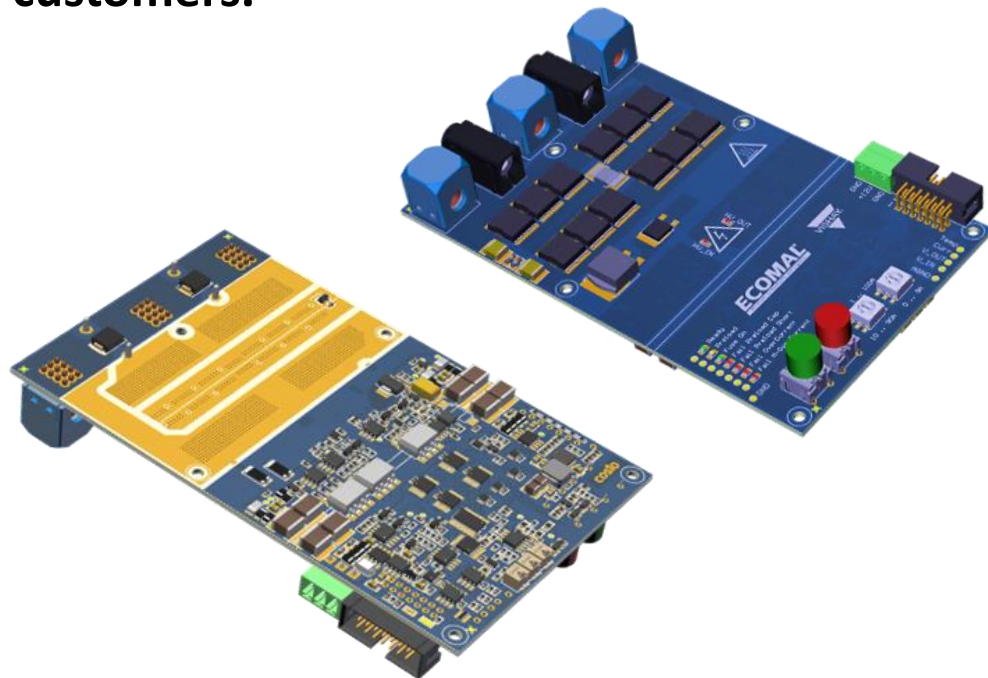


To accelerate your design process, we developed together with Vishay a 40kW / 400V Circuit Breaker Reference Design.

**All data is free of charge for our customers.**



## TOP SPECS OF THE REFERENCE DESIGN

- Nominal input voltage: **400VDC**
- 70% of the BOM are Vishay components for highest performance and reliability
- E-FUSE 400VDC loads up to **40kW**, using **UnitedSiC/Qorvo 750V SiC FETs** (engineering samples)
- TVS Diode for power line protection
- Output and Input transient protection
- Current sensing: 1% (bi-directional), Over current for up to 300µsec
- Double Pre-Charge Function
- Limitation of maximum load current
- FR4 layer power stage board **with passive cooling**, at room temperature
- Power supply by 400VDC or separate 12VDC
- Full Application description for R&D
- **Full reference design documentation** (BOM, Gerber, Schematic)
- Optional Vishay-ECOMAL MessWEB Modul with WEB access

Request your data at: <https://zcmp.eu/6aJ>

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