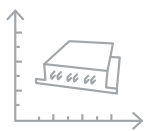


DC-Converter 100-Serie

172E-13.8-ON

900W, non-isolated DC/DC buck converter

«Designed in Switzerland, made in Germany, proven in the World»



130x130x28mm



980g



900W



SPECIFICATIONS

ultra wide input voltage range	18...70VDC
Max. input peak voltage	75 VDC
efficiency	97% (nominal load)
Output voltage / output power	13.8 VDC / 900 watts
Typical max. output current	65.0 ADC
Extrem high specific power per weight (gravimetry)	0.9 watts/gramm
EMC-type-test	☑

DC-CONVERTER 172E-13.8-ON

New Product Announcement.

The galvanically non-isolated DC/DC step-down converter from 48V to 13.8V with 800W power for automotive applications. The connections are currently realized via connecting cables with corresponding cross sections of 6mm² and 10mm². If required, a solution with threaded bolts can be used. The result of the combination of the most modern components and years of know-how! The DC-DC converter for highest demands. The hardware configuration options are exemplary with Shutdown (Shutdown with -VBat) and ON/ OFF option (Enable with +VBat). A connector solution up to 45A is also possible.

FEATURES

- ◇ non-isolated DC/DC buck converter
- ◇ robust and climate proof design
- ◇ excellent thermal characteristics
- ◇ permanently no-load and short-circuit proof
- ◇ integrated EMI input and output filter
- ◇ no power derating
- ◇ for ambient temperatures between -40°C / +85°C
- ◇ thermal shutdown at +90°C
- ◇ CC/CV charging characteristic

This technical datasheet is preliminary, specs may vary slightly.

Please check technical data sheet for further information on www.demke-electronic.com