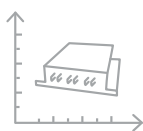


DC-Converter 700-Serie

755-24-SD

450W, isolated DC/DC buck-boost converter

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



130x130x28mm



900g



450W



SPECIFICATIONS

ultra wide input voltage range	18...110VDC
Max. input peak voltage	125 VDC
efficiency	95% (nominal load)
Output voltage / output power	24.0 VDC / 450 watts
Typical max. output current	19.0 ADC
Extrem high specific power per weight (gravimetry)	0.5 watts/gramm
EMC-type-test	☑

DC-CONVERTER 755-24-SD

The Demke DC-Converter 755-24-SD is an galvanically isolated DC/DC Buck-Boost converter and is specially designed for 24V, 48V and 80V supply systems. Thanks to its ultra-wide input voltage range, the DC/DC converter operates accurately within the specified input voltage range even if the input voltage deviates statically by +/- 30% from the previously mentioned DC-supplies.

FEATURES

- ◇ isolated DC/DC buck-boost 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