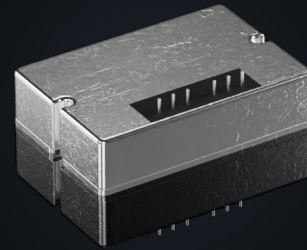




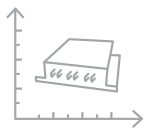
DC-Converter 300-Serie

354W1-24024-SD

90W, isolated DC/DC buck-boost converter



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



77x52x19mm



166g



90W



SPECIFICATIONS

ultra wide input voltage range	16...160VDC
Max. input peak voltage	170 VDC
efficiency	94% (nominal load)
Output voltage / output power	24.0 VDC / 90 watts
Typical max. output current	3.8 ADC
Extrem high specific power per weight (gravimetry)	0.5 watts/gramm
EMC-type-test	✓

DC-CONVERTER 354W1-24024-SD

Highly integrated, ultra-compact DC-DC converter with 1:10 ultra-wide input voltage range and outstanding EMC properties! The very low switch-off threshold of approx. 14V easily bridges downtime for 100ms, which is required according to EN50155. The bipolar output voltage can be used to double it, where at the same time 100% power is available at every output.

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
- ◇ bipolar or doubled output