

BCS-SU50/48

DC / DC converter increasing the voltage 48V 50W built-in module



The BCS-SU50 / 48 is a high-efficiency, non-isolated, voltage-boosting DC / DC converter. The converter enables operation in a wide range of input voltages and has a fixed output voltage of 48 VDC. A typical application of the module is the generation of PoE 48 VDC voltage from 12 VDC or 24 VDC from a buffer power supply. The OF (Open Frame) construction allows the device to be built into any housing, but the most convenient method of installation are dedicated BCS housings and mounting plates, equipped with system punchings in a 10.8mm raster. It is compatible with the spacing of the mounting holes of the built-in modules. The system solution allows for vertical or horizontal installation of selected devices in any open part of the housing or mounting plate.

- wide range of supply voltage
- fixed output voltage of 48 VDC
- low heating of the housing interior due to the high efficiency of the converter
- high output power with small dimensions of the module
- resistance to reverse polarity of the supply voltage

BCS-SU50/48

DC / DC converter increasing the voltage 48V 50W built-in module

Output voltage	48 VDC +/-3%
Output power	50 W @12V
Efficiency	93% @Vin = 12 V, Pout = 50 W
Supply voltage	10 ... 30 VDC
Inverter idle current	27 mA @12V
Signaling work	LED1 - the presence of an output voltage
Housing design	None - built-in module
Installation	Snap-in distance pins, mounting holes in a 10.8 mm pitch
Working temperature	-20 ... +40°C
Dimensions	40 x 61 x 16 mm
Libra	0,1 kg

