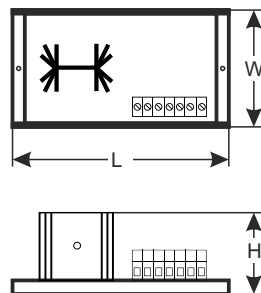


CODE: **DC/DC52230** v.1.0/l
 TYPE: **DC/DC 52V/2,3A Step up DC/DC converter**

EN



The module's features:

- The step up DC/DC converter
- Example of use: increasing voltage from 24V to 52 V DC power System for PoE switches
- The input voltage range: 18–28 V DC
- The output voltage range: 52 V DC
- The maximum load current 2,3 A (120 W)
- The PSU technical output indicating converter failure triggered by:
 - Short-circuit of the output
 - Output overload
- Protections:
 - Short-circuit protection SCP
 - Overload protection OLP
- High efficiency: 96%
- Optical LED indication
- Warranty – 2 years from the production date
- Mounting:
 - Mounting strip with adhesive tape
 - Mounting screws

DESCRIPTION

The **DC/DC 52V/2,3A (DC/DC52230)** step up converter increasing the input voltage from the range between **18-28 V DC** to the voltage range of **52 V DC** at the output. The maximum load current is **Imax=2,3A (Pmax = 120 W)**. The module does not feature galvanic isolation between input/output (IN-AUX) and operates on common "ground" (0V) potential (IN- and AUX- terminals are galvanically connected = common terminal).

The input voltage range (power supply)	18-28 V DC
The output voltage range	52 V DC +/- 1V
P module power	120 W max.
Energy efficiency	94%÷ 96%
Ripple voltage	150 mV p-p
Output current	2,3 A max.
Current consumption by module systems	25 mA max.
Short-circuit protection and overload OLP	110-150% of the module's power, manual restart (the failure requires disconnection of the DC output circuit)
Technical outputs - PSU output indicating failure – overload or short-circuit in the AUX output	- OC type, 50mA max. Failure status: hi-Z state (high impedance), normal status: L level (0V)
Optical indication - IN LED indicating DC power status - AUX LED indicating DC supply status at the output - PSU LED indicating failure - overload or short-circuit in the AUX output	- red, normal status: is lit continuously - green, normal status: is lit continuously - red, normal status: does not lit, failure: is lit continuously
Operating conditions	II environmental class, -10°C ÷ 40°C, ensure air flow around the unit for convection cooling
Dimensions	L=140, W=43, H=45 [+/- 2mm]
Net/gross weight	0,15/0,20 kg
Mounting	tape or mounting screw x 2
Declarations, Warranties	CE, 2 years from the production date