

# DC/DC CONVERTER 24 / 12 V 2 A

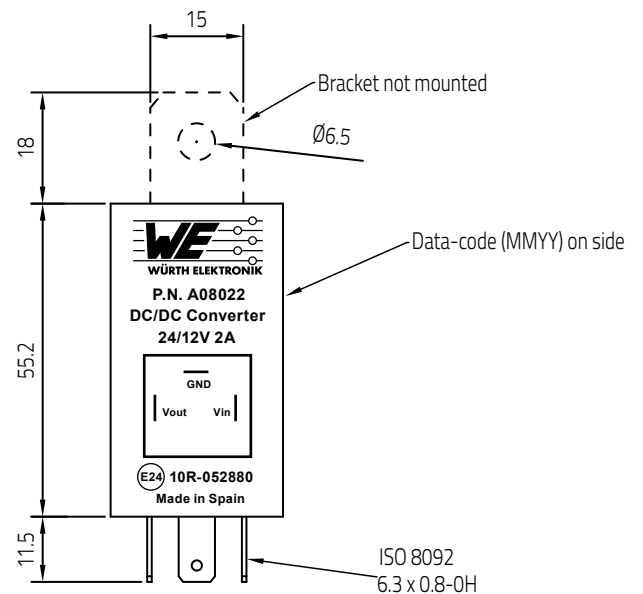
Function-specific Modules



**DC/DC Converters** are electronic devices whose function is to produce a constant output voltage level from a variable input voltage. DC/DC Converters are characterised by their input and output voltage levels and output current.

Würth Elektronik ICS offers standard DC/DC Converters designed and qualified for use in mobile machines and commercial vehicles. We are also able to adapt standard converters to our customers' requirements.

## Dimensions



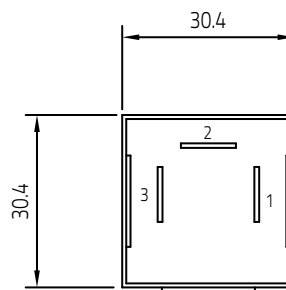
## Technical information

General information	
Nominal input voltage	24 V DC
Input voltage range	18 – 32 V DC
Output voltage range	12.8 ± 0.5 V DC
Output voltage ripple	< 150 mVpp
Output switching frequency	220 ± 10 kHz
Nominal current	2 A
Peak current	3 A
Stand-by current	< 1.5 mA
Working temperature range	-30 °C / +70 °C
Storage temperature	-40 °C / +85 °C
Efficiency	> 85 %

Protections	
Overload electronically protected	
Overheat self-protected	
Reverse polarity protection at the input	
Protection class IP54	

## Pin-out

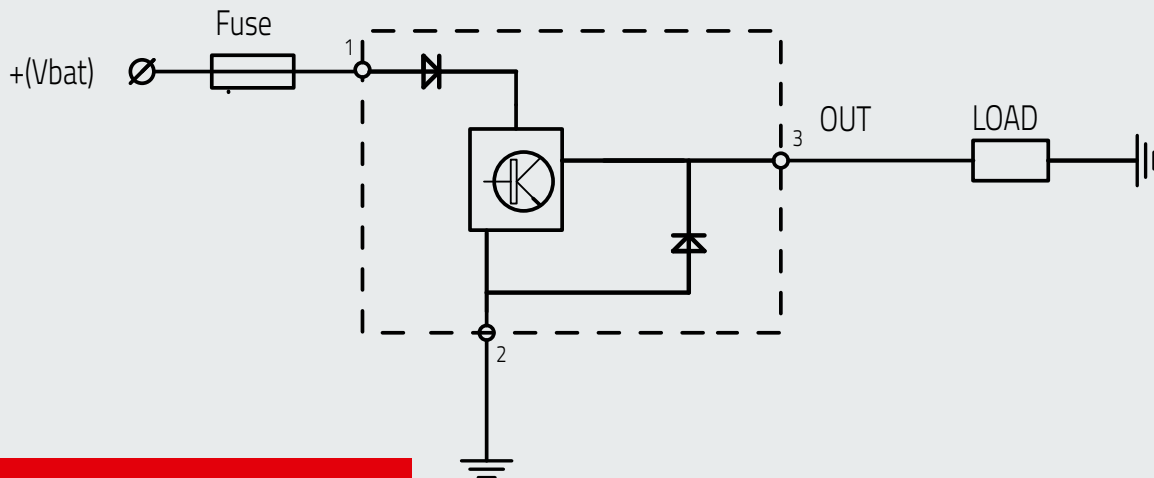
Pin assignment	
Pin 1	Vin
Pin 2	GND
Pin 3	Vout



# DC/DC CONVERTER 24 / 12 V 2 A

Function-specific Modules

## Wiring diagram



**Caution: Surface may become hot.  
Locate in a dry and air-cooled place.**

## Order information

Product information	
Part No.	A08022
Description	DC/DC 24 – 12 V 2 A
Voltage Range	18 – 32 V
Number of contacts	3



This item is a standard product, please consider the relevant datasheet notes. The user is responsible for the product's functionality in its purposed system environment. Technical content may be modified and changed by Würth Elektronik ICS GmbH & Co. KG without any notice.

## CONTACT US

Würth Elektronik ICS GmbH & Co. KG  
Intelligent Power & Control Systems  
ics@we-online.com · www.we-online.com/ics