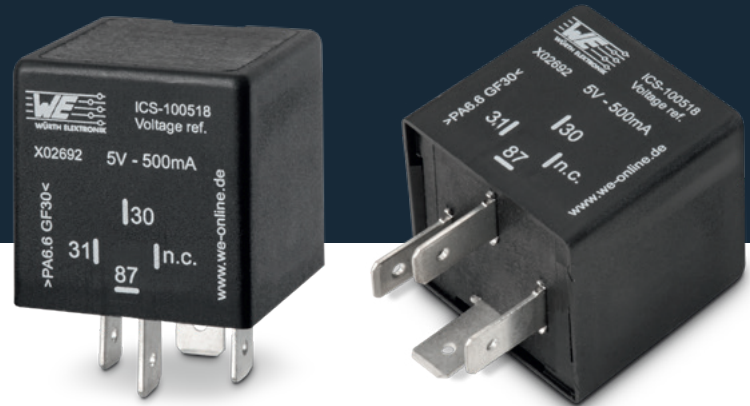


# VOLTAGE REFERENCE

Function-specific Modules



The **Voltage Reference** modules (5 V and 12 V) are designed to provide a precise regulated voltage for sensors or devices that require a lower voltage than the system supply. The 5 V version operates with an input voltage range of 9 to 30 V DC, while the 12 V version supports 15 to 30 V DC. Both modules can deliver an output current of up to 500 mA.

## Applications

- Voltage reference for comparators
- Power supply for sensors or IC
- USB (5 V DC) power supply

## Technical data

General information	
Housing	ISO Mini Relay
Connector	4 pins relay base
Dimensions	30 x 30 x 30 mm
Weight	~20 g
Operating temperature	-40 °C to 80 °C
Storage temperature	-40 °C to 80 °C
Ingress protection	IP 53
EMC	E1
Input voltage	9 – 30 V DC
Output voltage	5 or 12 V DC
Output current	max 500 mA
Pre-fusing	1 A
Current consumption	<5 mA

## Pin assignment

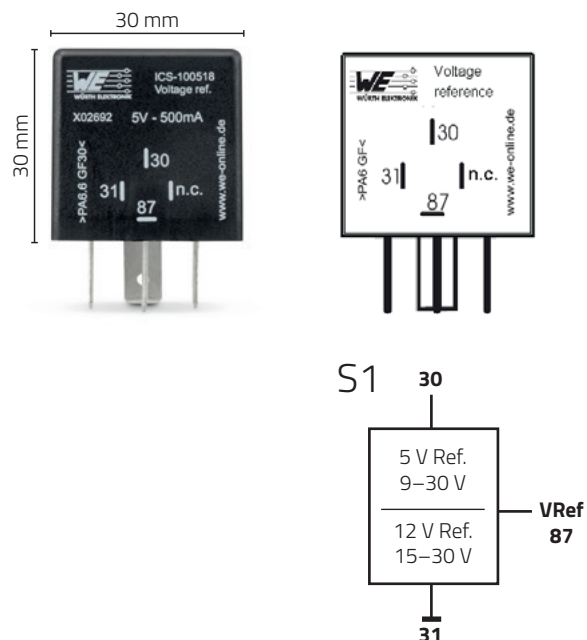
Connector Voltage Reference		
Pin	Description	Function
30	Input	Voltage reference input
31	GND	Ground
87	Output	Voltage reference output

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.

## Order information

Available references	Part number
Reference voltage module 5 V	ICS-100518
Reference voltage module 12 V	ICS-100519

## Dimensions



For more information write us an e-mail [ics@we-online.com](mailto:ics@we-online.com), call +49 7940 9810-0 or visit us at [www.we-online.com/ics](http://www.we-online.com/ics)

Würth Elektronik ICS GmbH & Co. KG  
 Intelligent Power & Control Systems  
 Gewerbepark Waldzimmern · Würthstraße 1  
 74676 Niedernhall · Germany  
 Tel.: +49 7940 9810-0 · Fax +49 7940 9810-1099  
[ics@we-online.com](mailto:ics@we-online.com) · [www.we-online.com/ics](http://www.we-online.com/ics)