

# Ignition Module IM 3.2

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**BOSCH**  
Invented for life


- Max. 3 cylinders
- 47 g
- Fits to all MS 4 ECUs
- Especially adapted for Coils PS, P35, P50(-M), P65, 2x1, 2x2 and 3x2

This module is an external ignition power stage capable of supplying up to three non-transistorized ignition coils.

The IM input signal should be supplied by an ECU with ignition signal outputs in the range of 10 to 20 mA, e.g. MS 4 Sport.

The IM unit combines the robustness of a high quality production part with good electrical performance to provide an ideal solution for adapting non-transistorized coils to an ECU without internal ignition driver stages.

## Application

Primary current	≤ 8.5 A
Clamp voltage	380 ± 30 V
Operating temperature range at measuring point	-40 to 120°C
Storage temperature range	-40 to 130°C
Max. vibration	400 m/s <sup>2</sup> at 5 to 2,500 Hz

## Technical Specifications

### Mechanical Data

Size	71 x 48 x 21 mm
Weight w/o wire	47 g

Mounting	2 x M4 screws with spring washer
Operating temperature	-40 to 110°C
Permissible fuel temperatures	≤ 70°C

### Electrical Data

U <sub>Batt</sub> typical	13.5 V
Voltage supply	6 to 16.5 V
I <sub>B</sub> high active on	min. 10 mA
I <sub>B</sub> low off	0 mA
I <sub>B</sub>	10 to 22 mA
I <sub>C</sub> typical	≤ 8.5 A
I <sub>C</sub> max. at T <sub>U</sub> < 120°C	< 10 A
U <sub>CE</sub> satt at I <sub>C</sub> = 5 A	< 3 V
U <sub>CE</sub> satt at I <sub>C</sub> max	< 9 V

### Characteristic

Characteristic dwell time	See characteristic dwell time from the ignition coil used
Internal transistor	Triple Darlington

### Connectors and Wires

Connector	Bosch Jetronic 7-pole
Mating connector 7-pole Jetronic	F 02U B00 252-01
Pin 1	Collector transistor 1
Pin 2	Basis transistor 1
Pin 3	Collector transistor 2
Pin 4	Gnd
Pin 5	Basis transistor 2
Pin 6	Collector transistor 3
Pin 7	Basis transistor 3

### Installation Notes

This ignition module can be used with Coils PS, P35, P50(-M), P65, 2x1, 2x2, 3x2 or comparable coils.

Please ensure that the connectors are safe from water.

The IM has to be mounted onto a cooling body. The mounting surface needs a planarity of 0.2 mm.

A heat conductive paste has to be used.

This ignition module is designed for use with engine control units which have no integrated ignition transistor.

Please observe the specified limit values.

Please do not activate more than one ignition output stage parallel within a module.

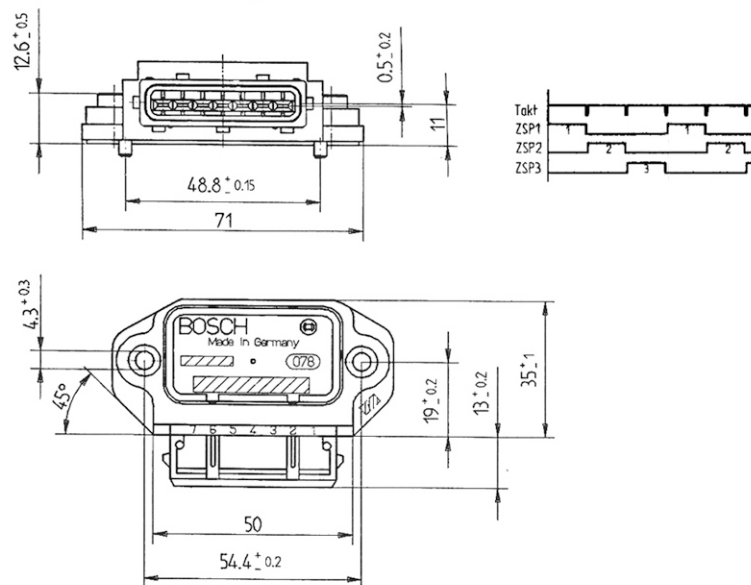
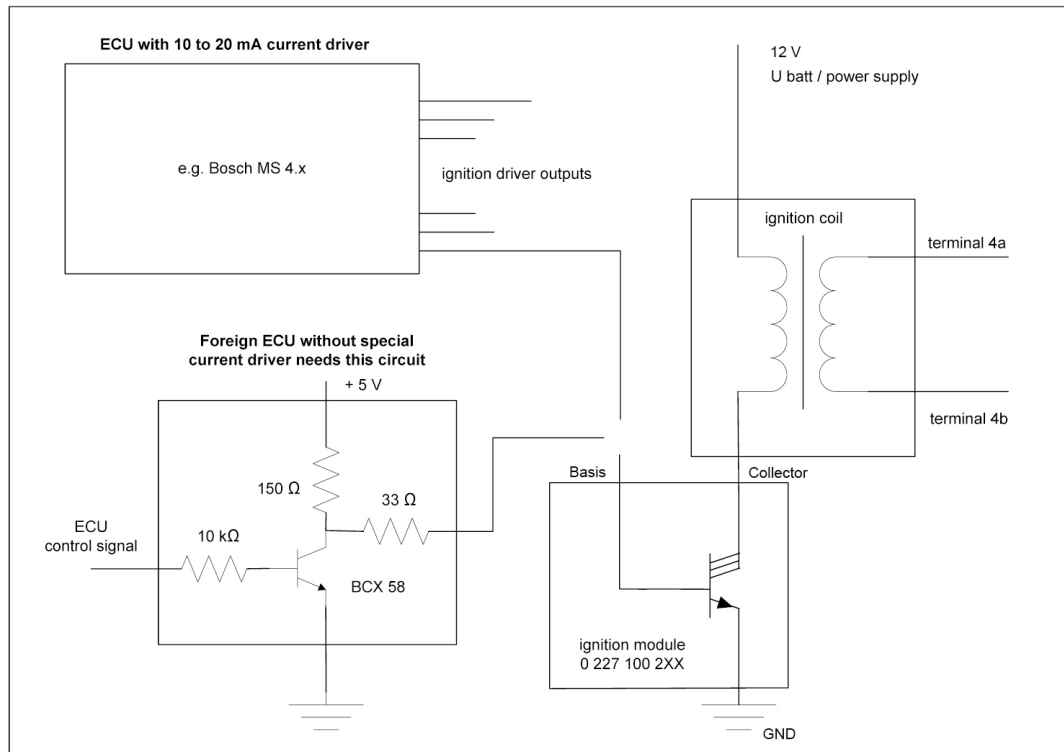
Please find further application hints in the offer drawing at our homepage.

### Ordering Information

#### Ignition Module IM 3.2

Order number **0 227 100 203**

## Dimensions



**Represented by:**

**Europe:**

Bosch Engineering GmbH  
Motorsport  
Robert-Bosch-Allee 1  
74232 Abstatt  
Germany  
Tel.: +49 7062 911 9101  
Fax: +49 7062 911 79104  
motorsport@bosch.com  
www.bosch-motorsport.de

**North America:**

Bosch Engineering North America  
Motorsport  
38000 Hills Tech Drive  
Farmington Hills, MI 48331-3417  
United States of America  
Tel.: +1 248 876 2977  
Fax: +1 248 876 7373  
motorsport@bosch.com  
www.bosch-motorsport.com

**Latin America:**

Robert Bosch Ltda  
Motorsport  
Av Juscelino Kubitscheck de  
Oliveira 11800  
Zip code 81460-900  
Curitiba - Parana  
Brasilia  
Tel.: +55 41 3341 2057  
Fax: +55 41 3341 2779

**Asia-Pacific:**

Bosch Engineering Japan K.K.  
Motorsport  
18F Queen's Tower C, 2-3-5 Minato Mirai  
Nishi-ku, Yokohama-shi  
Kanagawa 220-6218  
Japan  
Tel.: +81 45 650 5610  
Fax: +81 45 650 5611  
www.bosch-motorsport.jp

**Australia, New Zealand and South Africa:**

Robert Bosch Pty. Ltd  
Motorsport  
1555 Centre Road  
Clayton, Victoria, 3168  
Australia  
Tel.: +61 (3) 9541 3901  
motor.sport@au.bosch.com