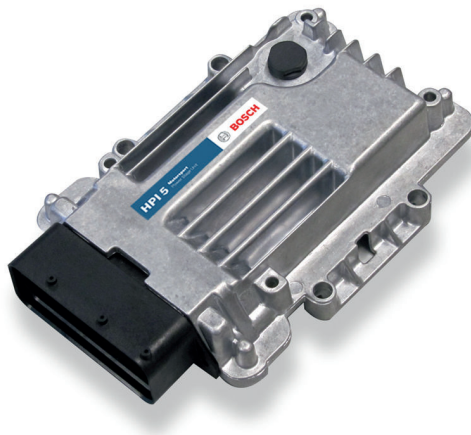


HPI 5

www.bosch-motorsport.com



BOSCH
Invented for life



- ▶ Max. 8 cylinders
- ▶ Max. 14,000 rpm (4 cyl. operation)
- ▶ 550 g

The injector power stage HPI 5 is a device for driving injectors and high pressure pumps for gasoline direct injection. Combined with a suitable ECU up to 8 injectors can be driven. The injectors are gathered in 4 groups of 2 injectors each. Within a group only one injector can be switched on at the same time. The 4 groups are totally independent, so that overlapping injection of injectors of different groups is possible. The HPI 5 is mainly designed to drive the Bosch high pressure pump HDP 5, but there are also variations for Hitachi HDP available. Communication between main ECU and the HPI 5 is realized via CAN interface.

Application

Max. number of cylinders	8
Max. rpm (8 cyl. operation)	7,000
Max. rpm (4 cyl. operation)	14,000

Optimized for Bosch high pressure injection valve HDEV 5 and Bosch high pressure pump HDP 5

Hitachi HDP Gen 1 and Gen 3 variations available

Further HDEV and HDP on request

Technical Specifications

Mechanical Data

Aluminum housing	
Each connector pin individually filtered	
Housing temperature	-25 to 85°C
Size (incl. connectors)	190 x 123 x 36 mm
Weight	550 g

Electrical Data

Voltage supply	14 V
Operating voltage	10 to 16 V
Operation voltage (engine start)	6.5 to 16 V
Nominal voltage	14 V

Connectors and Wires

Mating connector	D 261 205 353-01
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Communication

1 CAN (1 Mbaud)

Ordering Information

HPI 5

Optimized for Bosch HDP 5
Order number **F 02U V00 929-02**

HPI 5

Optimized for Hitachi HDP Gen 1
Order number **F 02U V01 055-02**

HPI 5

Optimized for Hitachi HDP Gen 3
Order number **F 02U V00 906-02**

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