



Image 1: IDM6

- 6 individual drivers
- High performance
- Over voltage, over current and continuous drive protection

General

The IDM-6 is an ignition module for driving up to 6 ignition coils, designed to ensure adequate voltage and current levels and also to protect the ignition coils from possible drive faults. The protection acts in 3 types of problems: overcurrent, overvoltage and continuous drive. Continuous drive protection limits the time the coil stays on and prevents it from being active for a long continuous period. On the other hand, overcurrent protection acts to avoid problems such as excessive dwell, that is, when the load time is exceeded, this protection prevents the current from reaching high levels.

Technical Specifications

Mechanical characteristics	Electrical characteristics
CNC machined billet aluminum enclosure	Max current: 12 A @ 12 V
Weight: 420 g	It is not necessary to power the module with 12 V, only ground is needed
Temperature range from -10°C up to 105°C	Clamp voltage 380 V
Dimensions: 95 x 80 x 36 mm	Max dwell: 80ms
14-pin waterproof connector	Over voltage protection
	Over current protection
	Continuous drive protection
	6 outputs

Ignition Module IDM-6

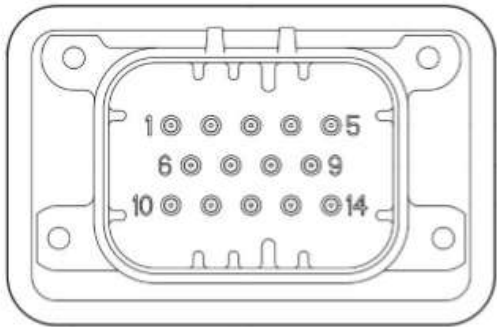


Image 2 – IDM6 Connector

This connector uses a number system to identify each pin. The pins numbers go from 1 to 14.

Function	Pin
OUT_1	1
OUT_2	6
OUT_3	10
OUT_4	5
OUT_5	9
OUT_6	14
GND	12

Function	Pin
IN_1	2
IN_2	7
IN_3	11
IN_4	4
IN_5	8
IN_6	13
GND	3