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Integrated ignition coil and wire set



The ignition wire set and coil function are combined in a single compact unit designed for mono or twin ignition systems.

With modular design and reliable connections, it is suitable for all engine configurations. The most cost-effective solution when the coil cannot be located near the sparkplugs (hostile environments, lack of space and/or accessibility).

Electricfil solution - ready technologies

Characteristics

- Weight < 500 g
 - Primary current: 7.6 A
 - Secondary voltage: 27 kV (1 M Ω)
 - Arc current: 75 mA \pm 10 mA
 - Arc duration: 1.4 ms (typical value)
 - Energy: 45 mJ (typical value)
 - Operating temperature:

 -40 $^{\circ}$ C < T < +140 $^{\circ}$ C
- Ignition type: single- or multi-spark, sustained spark

Electricfil knowhow

- Reduced cost of the overall ignition function
- Reliable HV connection between coil and leads
- Fast adaptation to new engine configurations
- Possible integration of additional functions such as diagnostics or detection of cylinder number, cylinder pressure or sparkplug fouling
- Bougicord[®] technology, minimizing electromagnetic interference.

Application domains

Engine management

[Ignition applications](#)