



Igniters

Chemring Energetics UK Ltd (CEUK) has a long established expertise in the design, development and manufacture of igniters.

The Igniters are electrically initiated and can be developed to meet customer specific requirements with regards to initiation, output characteristics and mechanical interfaces.

CEUK Igniters are typically supplied as sealed devices and are manufactured from a proven range of pyrotechnic pressed powders providing tailored output characteristics.

Fuseheads

They form the basis of many stores where reliable initiation of pyrotechnic compositions, propellant trains or explosive trains are required.

A range of Fuseheads are offered with varying operational characteristics and all can be supplied with lead wires attached.

Applications

CEUK Igniters and Fuseheads can be used in a wide variety of applications, including:

- Ignition of liquid monofuels and fuel driven turbines in missile propulsion units.
- Ignition of fuel driven turbines in underwater applications.
- Ignition of solid propellants in gas generators, rocket motors and cartridges.

References - Igniters

Product Code	Igniters
Hazard Class	1.4G
UN Number	0431
Proper Shipping Name	ARTICLES, PYROTECHNIC for technical purposes

References - Fuseheads

Product Code	Fuseheads
Hazard Class	1.3G
UN Number	0430
Proper Shipping Name	ARTICLES, PYROTECHNIC for technical purposes

Shipping Information (in approved packaging) - Igniters

Outer Pack	Fibreboard Box
Quantity per Pack	20 per inner x 100
Dimensions (mm)	229 x 161 x 141

Shipping Information (in approved packaging) - Fuseheads

Outer Pack	Fibreboard Box
Quantity per Pack	1000 max
Dimensions (mm)	229 x 161 x 141

Chemring Energetics UK Ltd

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Approved to ISO 9001 | Part of the Chemring Group

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For more information visit:

www.chemring.com/chemring-energetics-uk

The information in this datasheet should not be used as a technical specification, for engineering calculations, or for system design and integration. It is provided in good faith and is subject to change without notification. It is for the customer and/ or System Design Authority to satisfy themselves of the safety and suitability for its own particular purpose

Technical Details - Igniters

	DR9020	DR9055
Resistance (Ω)	0.65 - 0.9 ⁽¹⁾	0.9 - 1.1
Recommended Firing Current (A)	5.0	5.0
Current Application Times (ms)	10	10
Max No. Fire Current (A)	1A1W for 5mins	1A1W for 5mins
Max Test Current (mA)	10	10
Body Length (mm)	4.98	11.25
Body Width (mm)	5.18	7.65

(1) Resistance measurement taken at glass to metal seal

Technical Details - Fuseheads

	FH1	FH2	FH3
Resistance (Ω)	0.9 - 1.6	0.15 - 0.3	10.0 - 16.0
Recommended Firing Current (A)	1.35	5.00	0.22
Current Application Times (ms)	10	10	10
Max No. Fire Current (A)	0.3	0.9	0.05
Max Test Current (mA)	10	10	10
Body Length (mm)	6/10	6	6
Body Width (mm)	5.0	5.0	5.0

Technical Details - Fuses

	Type P	Type P/G	Type S	Type E	Type H
Resistance (Ω)	0.9 - 1.6	8.0 - 20.0	0.9 - 1.6	0.9 - 1.6	10.0 - 16.0
Recommended Firing Current (A)	1.20	1.28	1.2	1.2	0.21
Current Application Times (ms)	10	10	10	10	10
Max No. Fire Current (A)	0.3	0.025	0.3	0.3	0.05
Max Test Current (mA)	10	10	10	10	10
Body Length (mm)	10	8/10/12	10	10/12	10/12
Body Width (mm)	1.9	1.9	3/3.5	3.2/3.5	3.2/3.5

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