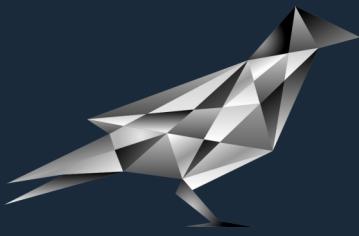


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Crush Switch

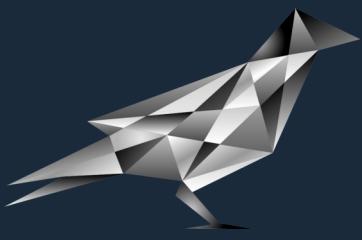


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Crush Switch is a one-time-use passive component used in impact-activated munition. It crushes after the munition hits the target and generates a trigger for the fuze. After the impact, the munition outer shell is deformed and it begins to deform the casing of the Crush Switch. The deformed Crush Switch casing and the inner parts break the special circuit structure and changes the normally closed circuit into open state. Then the Crush Switch generates a trigger signal as a result of the change in circuit continuity.

General Specifications

Mechanical Interface	M12 x 1.25 thread (can be modified according to customer requirements)	
Electrical Interfaces	Connector	No connector is provided (can be added according to customer requirements)
	Cable	2 core, 24 AWG, shielded cable, 1.5 meters (can be modified according to customer requirements)
Target	Soft Target	Soil
	Hard Target	Concrete, Rock, Metal
Impact Conditions	Impact Angle	45° – 90° with respect to target surface
	Impact Speed	50 – 340 m/s
	Angle of Attack	±2.5°
Switch Operating Times	Switching time (time to open circuit)	25 – 100 microseconds
Environmental Conditions	Qualified in accordance with MIL-STD-810G	



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