



# Cartek xr solid state battery isolator

What is a Cartek XR battery isolator?

The Cartek XR Battery Isolator is a compact, solid-state electrical master switch that can be mounted close to the battery. It is triggered by a push button switch which can be remote-mounted in the location specified by the rules. Cartek isolators are designed to meet FIA and MSA requirements for electrical master kill switches.

How does a Cartek battery Isolator work?

As Cartek Battery Isolators use 'push to break' external kill buttons it then allows use of two external buttons to be fitted in series. This was implemented by Ford in the Formula Ford Ecoboost series. If any of the Formula Ford cars would end up against a barrier or upside down, it then allowed a marshal to always have access to kill the engine.

Does the Cartek battery Isolator meet the FIA requirements?

The Cartek Battery Isolator meets these requirements. FIA ARTICLE 13 : GENERAL CIRCUIT BREAKER  
The general circuit breaker must cut all electrical circuits, battery, alternator or dynamo, lights, hooters, ignition, electrical controls, etc.) and must also stop the engine.

What is a battery isolation XR?

The Battery Isolator XR is a fully electronic 'master/kill switch' system designed specifically for race car applications. This device contains no moving parts and the solid construction provides very high resistance to shock, vibration, water and dirt.

Who uses a solid state battery isolation system?

At Cartek we have been producing the Solid State Battery Isolator for over 10 years now, and is now widely used by OEM Manufacturers. Our Battery Isolator Systems are fully sealed and have NO moving parts meaning you can always rely on our kits to work in the tough environments of motorsport. Cartek supply many manufacturers across the world.

How does a solid state isolator work?

The Solid State Isolator contains two isolation circuits. The first breaks the connection between the negative side of the vehicle's battery from chassis/earth, thereby isolating the battery power from all electrical circuits, while the second cuts power to the engine electrics and thereby stops the engine from running. GT or XR?

The new XR battery isolator (CK-BR-08-B) is 30% smaller size and 40% lighter weight than the previous "standard" and GT isolators. The XR version offers even more benefits and ...

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When fitted to a race car, the Cartek XR Solid State Battery Isolator simultaneously isolates the battery and kills the engine immediately when triggered, in accordance with FIA safety regulations.

The CARTEK Battery Isolator X-Club is designed to be cost effective option - optimized for race and rally cars running production based engines that are stock or mild tune, up to 3L capacity ...

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The smallest and lightest isolator Cartek have produced to date, designed to connect with motorsport ECU's and Power Distribution Modules or PDM's. Manufactured using solid state ...

The Battery Isolator XR is a smaller version of the Battery Isolator GT. Designed with a 5 pin Binder connector this Battery Isolator is suited for race cars fitted with motorsport ECU's/PDMs.

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Built using solid state technology the XR battery cut off has no moving parts so is not effected by shock or vibration. The unit is also totally sealed against water and dirt making them ideal for ...

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