



High-Voltage Fuses

ADO PCB Mount



ADO Type-Z Mount



ADO Type-B Mount



Access to Full Datasheet:



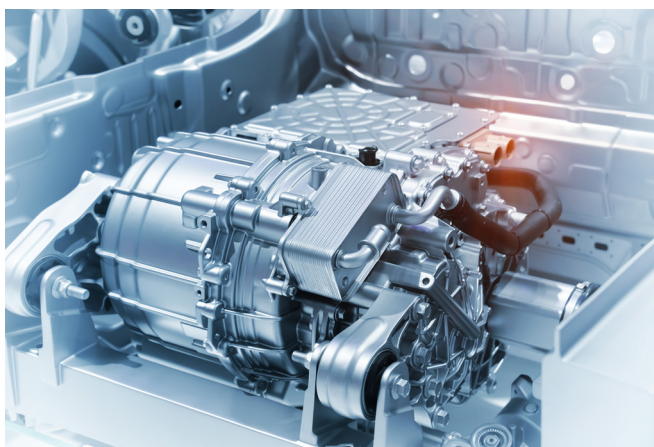
ADO – Automotive Fuse for High Voltages

Applications

On-Board Battery Chargers
DC-DC Convertors
Air-Conditioning Compressors
PTC Heaters
Motor Controllers

Technical Data

Rated Voltage	500/750/850/1000 VDC
Rated Current	10 - 63 A
Breaking Capacity	up to 20 kA
Characteristic	EV Fuse
Mounting	PCB/THT, Bolt-on
Admissible Ambient Temp.	-40°C to 125°C
Material Terminals	Copper Alloy
Storage Conditions	-40°C to 70°C, max 70% r.h.



Designed for applications in direct current systems up to 1000 VDC, the ADO fuse has a fast tripping characteristic, high current carrying capacity and good vibration resistance. The ADO series is UL-certified. Technological features such as a patented filler formulation and special curing processes ensure safe arc extinguishing and prevent secondary arcing.



ALO Ceramic Bolt Type

ALO Resin Axial Bolt Type

ALO Ceramic Bottom Bolt Type

[Access to Full Datasheet:](#)



ALO – High Performance EV Fuse

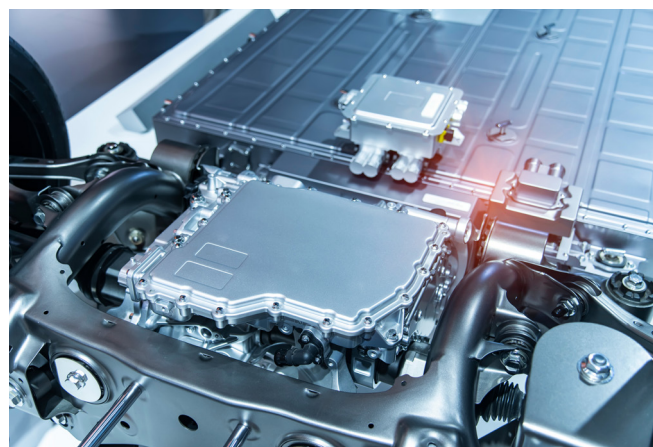
Technical Data

Rated voltage	250/500/750/1000 VDC
Rated Current	10 - 900 A
Breaking Capacity	up to 50 kA
Characteristic	EV Fuse
Mounting	Bolt-on
Admissible Ambient Temp.	-40°C to 125°C
Material Terminals	Tin-Plated Copper Alloy
Material Endcaps	Copper Alloy

Applications

Power Distribution Units (PDU)
Battery Disconnect Units (BDU)
Manual Service Disconnectors (MSD)
All-in-One Controllers
2-in-1 Electric Drives

The ALO series has been specially developed for high-voltage electric vehicle applications and covers voltages up to 1000 VDC and currents up to 900 Amps. With a high breaking capacity of up to 50 kA and the option of axial or bottom bolt-on mounting – available in either ceramic or resin housings – it offers maximum design flexibility.



AMO PCB Mount



AMO Screw-on Mount



AMO Axial Screw Mount



Access to Full Datasheet:



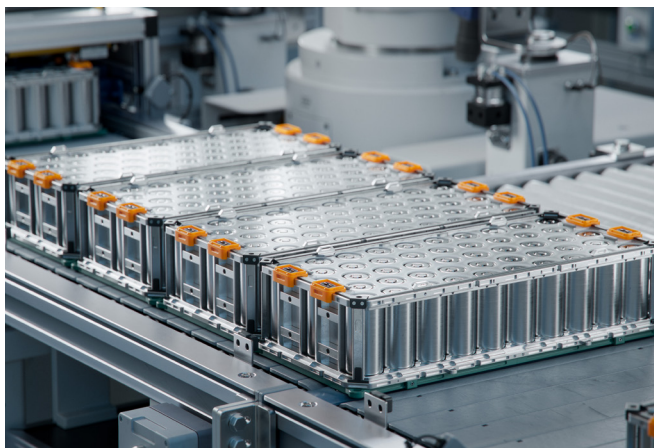
AMO - 10.3 x 38 High Performance Fuse

Applications

Battery Management Systems
On-Board Battery Chargers
DC-DC Converters
Air Conditioning Compressors
PTC Heaters
Redundancy Systems

Technical Data

Rated Voltage	750/800 VDC
Rated Current	10 - 50 A
Breaking Capacity	up to 20 kA
Power Loss (10A)	2.0 W
Mounting	Axial Screw, ScREW-on, PCB
Admissible Ambient Temp.	-40°C to 125°C



The AMO fuse is produced in a new, patented process which guarantees highest reliability. Available with a multitude of possible mounting options. In addition to the classic mounting directly on a printed circuit board, screwable version for surface mounting or even axial mounting are available.



[Access to Full Datasheet:](#)



APO – Active Safety for High Voltage Systems

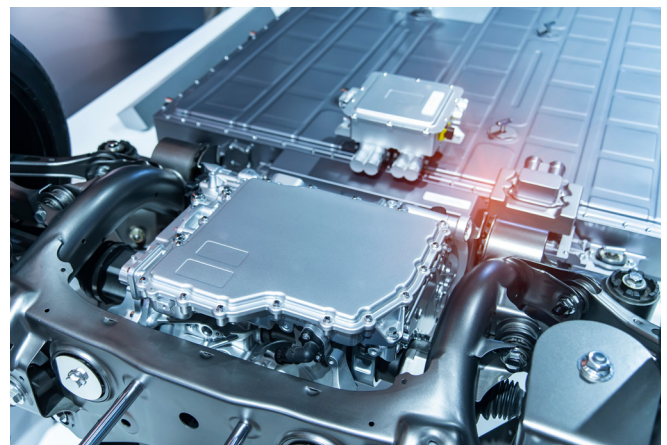
Technical Data

Current Carrying Capacity	400 A at 85°C (Busbar Size $\geq 120\text{mm}^2$)
Ultimate Breaking Capacity	1000 VDC / 16KA / 20 μH
Operating Temperature	-40°C / +105°C
Internal Resistance	(at 20°C): $\leq 50\mu\Omega$ (Before Breaking) $\geq 10\text{M}\Omega$ (after Disconnection)

Applications

Battery Management Systems
Battery Disconnect Units
Motor Controllers
Data Center
EV Charging Stations

The APO is an active fuse which interrupts electric circuits in less than two milliseconds – with measured values as fast as 0.9 ms. With an ultra-low internal resistance in the range of only a few dozen μOhms , power losses and temperature rise remain minimal. This unique combination of speed, robustness, and efficiency guarantees maximum system safety.





Access to Full Datasheet:



ARO – High Voltage Inline Fuse

Applications

Charging Plugs
Lighting Accessories
General Wiring Protections
Power Generation and Transmissions
Telecommunications

Technical Data

Rated Voltage	250 VAC
Rated Current	16 / 32 / 63 A
Breaking Capacity	up to 50 kA
Terminal Dimensions	Variants for Different Wire Sizes
Mounting	Inline
Standards	GB / T13539.4 / IEC60269 / UL248
Material Terminals	Silver-Plated Copper Alloy
Tube Material	Ceramic



Economic design and flexible customization make ARO the perfect choice for high-performance applications. Available in standard versions or tailored to customer specifications. Designed as an inline fuse, ARO integrates seamlessly into charging cables and connectors.



[Access to Full Datasheet:](#)



EKO – High Voltage Fuse for Industrial and Energy Applications

Technical Data

Rated voltage	1000 VDC (1250 VAC for Selected Series)
Rated Current	50 - 1100 A
Breaking Capacity	up to 50 kA (100 kA AC for Selected Series)
Characteristic	EV Fuse
Mounting	Flush End, DIN-Rail, US-Style Bolted
Standards	IEC 60269-4 / UL 248-13 / GB/T13539.4

Applications

EV Charging Stations
Manual Service Disconnectors (MSD)
Energy Storage Systems / BESS
Power Conversion Devices
Industrial Equipments

Designed for robust performance, the EKO series withstands mechanical vibration, shock, chemical exposure, and extreme temperatures from -40 °C to +125 °C. Its ceramic housing and tin-plated copper alloy terminals ensure durability and stable electrical characteristics even under harsh conditions.





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