

The **Brise EV200 Battery Isolator** is a sealed high current relay compatible with FIA technical regulations.

The EV200 has a built in coil economizer which limits the power used in the 'ON' position to only 1.7 watts. No power is used in the 'OFF' position.

Hermetically Sealed & intrinsically safe, it can be used in explosive & harsh environments.

Battery can be Isolated and re-connected by low current wiring and switches. Incorporates an alternator protection circuit.

The EV200 carries 250 Amps continuous and 500 Amps for engine starting.

Available in 2 versions:

EV200A Without auxiliary contacts
 EV200H With 2Amp auxiliary contacts

Parameter	Units	Value for EV200 Series
Contact Arrangement, power contacts		1 Form A (SPST-NO)
Rated Operating Voltage	VDC	12-900
Carry Current Continuous, Max. @ 50 C 1/0 cable	A	250
Carry Current 300 Seconds	A	275
Carry Current 100 Seconds	A	400
Carry Current 10 Seconds	A	600
Starter Application (10 repeats with 10 sec. gaps)	A	Inrush 2000A Cranking 10 sec. 500A
Mechanical Life	Cycles	1 Million
Contact Resistance, Max. @ 200A	mohms	0.4
Contact Resistance, Typ, @ 200A	mohms	0.1 – 0.3
Auxiliary Contact Current, Max. @ 30 VDC	A	2
Auxiliary Contact Current, Min. @ 30 VDC	mA	100mA @ 8V
Auxiliary Contact Resistance, Max. @ 30 VDC	ohms	0.417
Operate time @ 25C		
Close (includes bounce) Typ,	ms	15
Bounce (after close only), Max.	ms	7
Release (includes arcing), Max.	ms	12
Dielectric Withstanding Voltage	Vrms	2,200 @ sea level
Insulation Resistance @ 500 VDC	megohms	100
Shock, 11ms ½ sine, peak, operating	G	20
Vibration, sine, 80-2000Hz, peak	G	20
Operating, Ambient Temperature	C	-40 to +85
Weight, Nominal	kg	0.43

Coil Operating Voltage	
Voltage (will operate)	9-36VDC
Pickup (close) Voltage Max.	9VDC
Hold Voltage (Min.)	7.5VDC
Dropout (open) Voltage Min.	6VDC
Inrush Current (Max.)	3.8A
Holding Current (Avg.)	0.13A @ 12V, 0.07A @ 28V
Inrush Time (Max.)	130 ms

Outline Dimensions

