

SOLID STATE BATTERY DISCONNECT

12V 150A



Solid-State Battery Disconnects provide efficient and durable power management for automotive, mobility, and industrial applications. Engineered for high performance, these relays withstand harsh conditions while ensuring safety and reliability.

084J00 SS BATTERY DISCONNECT

Optimized for 12V architectures, this 150A SS Battery Disconnect ensures seamless power management in automotive, mobility, and industrial applications.

Its solid-state design eliminates moving contacts, ensuring silent and maintenance-free operation.

Engineered for severe-duty applications, it excels in off-highway environments such as construction equipment, agricultural machinery, and mining vehicles, performing reliably under extreme weather conditions.

Benefits:

High Current Capacity:

Handles up to 150A continuous load, with short-term peak capability.

Reliable Performance:

Solid-state technology eliminates wear and provides silent activation.

Vibration Resistant:

Operates reliably in high g-load and vibration-intensive applications.

Safety Features:

Includes overcurrent protection, reverse polarity, internal overheat and short circuit protection for enhanced safety.

Compact and Versatile:

reduced size and wide operation temperatures can be adapted to any vehicle platform.

Technical Data

Nominal Input Voltage	12 Vdc
Input Range Voltage	9-16 Vdc
Nominal Current	150 A
Peak Current	200 A ($\leq 1"$)
Stand-By Current	<1mA (Enable ON)
Stand-By Current	<0,1mA (Enable OFF)
Storage Temperature	-40°C to 85°C
Working Temperature	-40°C to 85°C
Life Endurance	> 1.000.000 ops
Housing	PA6.6GF30
Connector (Signal)	Amphenol AT04-2P-BM03
Connector (Power)	M8 Thread (x2)
Environmental Protection	IP54

Applications:

Guilera's SSRs are trusted across multiple sectors:

Industrial Equipment:

Automation systems, conveyor belts, and manufacturing lines.

Automotive:

Electrical systems in vehicles, including lighting, HVAC, and motor controls.

Agriculture:

Sprayers, irrigation systems, and utility vehicles.

Transportation:

Buses, trucks, vans and motorhomes.

Construction:

Machinery requiring precise and durable switching.



SOLID STATE BATTERY DISCONNECT

12V 150A

Pin-Out:

Signal connection AT04-2P-BM03

Pin 1: GND

Pin 2: +12V Enable

Power Connection:

M8 Thread (x2)

Pin 30: V in

Pin 87: V out

Protections

IP67

Internal Overheat

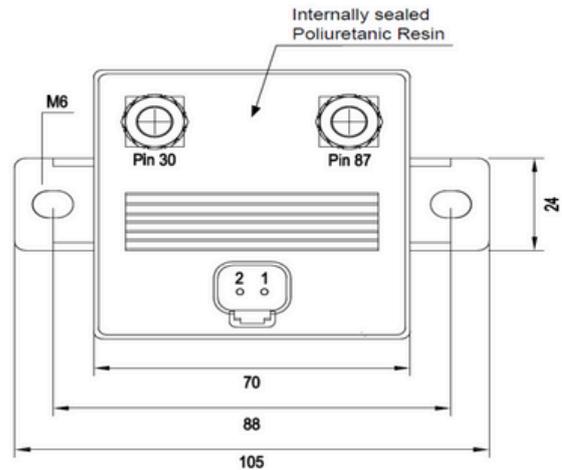
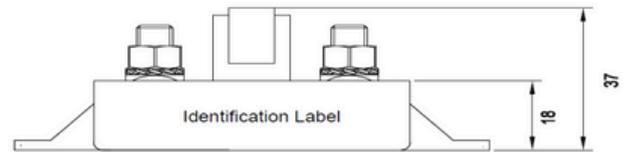
Reverse Polarity

Short Circuit

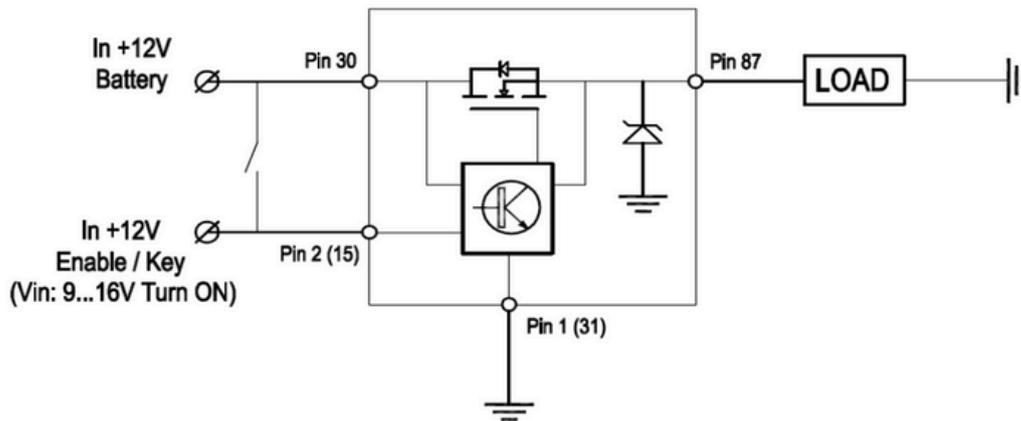
Order Information

SSR 12V/150A : 084J00

Dimensions



Block Function Diagram



GUILERA S.A.

Founded in 1953, Guilera S.A. specializes in advanced electronic and electromechanical systems for the automotive, off-highway, and mobility sectors.

Our products include reliable DC-DC converters, electronic power control systems for traction, advanced flasher units, and solid-state electronics.

Guilera is committed to sustainability and social responsibility, integrating eco-friendly practices and pursuing CSR certifications. Serving OEMs and Tier 1 suppliers, we continuously innovate to shape the future of transportation and mobility.

 <https://www.linkedin.com/company/guilera>

Carrer de Ramon Llull 8, 08750 Molins de Rei, , Barcelona (Spain) Tel.: +34 936 68 17 94 / e-mail: guilera@guilera.com

For more information write us an e-mail guilera@guilera.com or visit us at www.guilera.com

