

BREMI

GERMAN TECHNOLOGY SINCE 1927

Kit discharge to the ground



User's Manual

Technologie für Sicherheit – Technology for Safety

DISCHARGE TO THE GROUND KIT – INSTRUCTIONS FOR USE

General Description:

The "Discharge to the Ground" kit is designed to ensure operator safety when using the EV-SAFE device, protecting them from potential electrical discharges from the vehicle. The system creates a preferential path to the ground, bypassing the human body, significantly reducing the risk of electrocution. The kit consists of two main components:

Hardware: yellow connection cable (3 m long) with a conductive clamp and a metal grounding rod, to be driven into the ground.

Software: grounding function integrated into the EV-SAFE app, activated via a grounded electrical network that complies with regulations.



USE OF THE CABLE + ROD KIT

1. Attach the yellow cable clamp to a grounded, conductive metal structure (e.g., guardrail, street light pole), ensuring the contact surface is free of insulating paint. Alternatively, use the supplied ground spike, driving it completely into moist soil to ensure good electrical contact.
2. Connect the other end of the cable to the EV-SAFE device's power connector.
3. Turn on EV-SAFE and plug it into the vehicle's charging port.

USING THE GROUNDING FUNCTION VIA THE APP

1. The grounding function is enabled by default, but can be checked and changed via the user interface. If necessary, turn on EV-SAFE and follow the instructions to connect via Wi-Fi to the internal minisite (web app).
2. Connect EV-SAFE to the electrical grid using a suitable cable and a certified grounded socket.
3. Insert EV-SAFE into the vehicle's charging port.

Warnings: - If the soil is dry or sandy, we recommend lightly moistening the area before inserting the ground spike. - Do not use the kit in explosive environments or in the presence of flammable liquids. - Always check the integrity of the cable and clamp before use.

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