

EVEA - G19/G22 Contactor Kit - 48V



Reference : EVE-KC-G19G22-48V

Brand : EVEA

Options :

No variants

3D Model : Available

EAN-13 : 6869475951057

Designed to replace the line contactor on Yamaha G19 and G22 electric golf carts equipped with a 48 V battery, this kit includes an Albright SW180 48 V contactor, a harness with connector, and a mounting bracket. It uses the same terminals and connector as the original line contactor JR1-H1950-00 for a direct replacement without modification.

Installed between the battery and the speed controller, this power relay can be directly controlled by a Yamaha or Curtis speed controller. Its 48 V coil incorporates a flyback diode that limits electrical spikes during switching. The SW180 supports a thermal current of 200 A in uninterrupted operation, compared with 150 A when current is interrupted under load.

Technical specifications

Group	Feature	Value
Identification	EVEA reference	EVA-contacteur de ligne G19-G22-48V-200A
	Integrated contactor	Albright SW180
	Type	DC power contactor
Compatibility	Compatible vehicles	Yamaha G19 and G22 electric golf carts equipped with a 48 V battery
	Compatible control	Yamaha or Curtis speed controller
	Position in the circuit	Between the battery and the speed controller
Integration	Installation	Direct replacement for the original contactor, without modification
	Connection	Same terminals and connector as the original contactor
Composition	Included components	Line contactor, harness, connector, and mounting bracket
	Rated coil voltage	48 V DC
	Contact configuration	Single-pole, normally open (SPST-NO)
	Main contact break	Double break
	Contact material	Silver alloy
	Thermal current in interrupted operation	150 A
	Thermal current in uninterrupted operation	200 A
Electrical	Recommended maximum voltage in interrupted operation	48 V DC
	Recommended maximum voltage in uninterrupted operation	60 V DC
	Fault-current breaking capacity	1,000 A at 48 V DC, 5 ms time constant
	Typical voltage drop	Approximately 30 mV at 150 A on new contacts
	Coil suppression	Flyback diode
	Magnetic blowout	None
	Main terminals	M8 studs
Connection	Main terminal tightening torque	8 to 9.5 N·m
Environment	Ambient temperature	-40 to +60 °C
Durability	Mechanical endurance	> 5 × 10 ⁶ cycles

Preserve the Traction Circuit

This line contactor restores the switching function without modifying the golf cart's electrical architecture or reworking the traction circuit. The low contact resistance helps limit electrical losses and heat generation between the battery and the speed controller when high currents flow. The double-break design opens the main circuit at two points when the

control is released. The kit thus restores the power connection to the speed controller on a Yamaha G19 or G22.

Frequently asked questions

Is this kit compatible with all Yamaha G19 and G22 models?

It is compatible with electric Yamaha G19 and G22 models equipped with a 48 V battery. This compatibility does not extend to other Yamaha models or vehicles operating at a different voltage.

Does replacing the original contactor require any modifications?

No. The kit is installed in place of the original contactor, using the same terminals and connector. It includes an Albright SW180 contactor, a harness with connector, and a mounting bracket.

Can it be controlled by a Yamaha or Curtis speed controller?

Yes. A Yamaha or Curtis speed controller can directly control the 48 V coil. The contactor is installed in the power circuit, between the battery and the speed controller.

Does the 200 A value correspond to the contactor's interrupting current?

No. The 200 A value corresponds to the thermal current in uninterrupted operation, not to a repetitive interrupting current under load. The SW180 is rated at 150 A in interrupted operation. Sizing must therefore take the actual operating conditions into account.

What is the purpose of the diode fitted to the coil?

The flyback diode limits electrical spikes when the coil is de-energized. Its presence means that the polarity specified for the kit's connector and wiring must be respected.

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Product page written by **Hugo C.** and reviewed by the EVEA Distribution technical team — Last updated on 05/10/2026.

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