

G6QE



Miniature and Low Height Single-pole Power Relay with 36A Switching Current

Omron Products can contribute the growing trend in developing EV chargers with high-capacity output to achieve shorter charging time. G6Q has high switching current of 36A@250 VAC and 10,000 operations and with 30A@250 VAC 100,000 operations in a miniature package. Power consumption reduced to 12% compared with rated coil consumption by lowering the applied voltage to the coil after applying nominal voltage for 100 ms relay operation (Reduced to 35% from rated coil voltage) The G6Q, the follower of G8P, has a smaller size with the same Footprint. One main application is the Safety Shutdown by EV Charger.

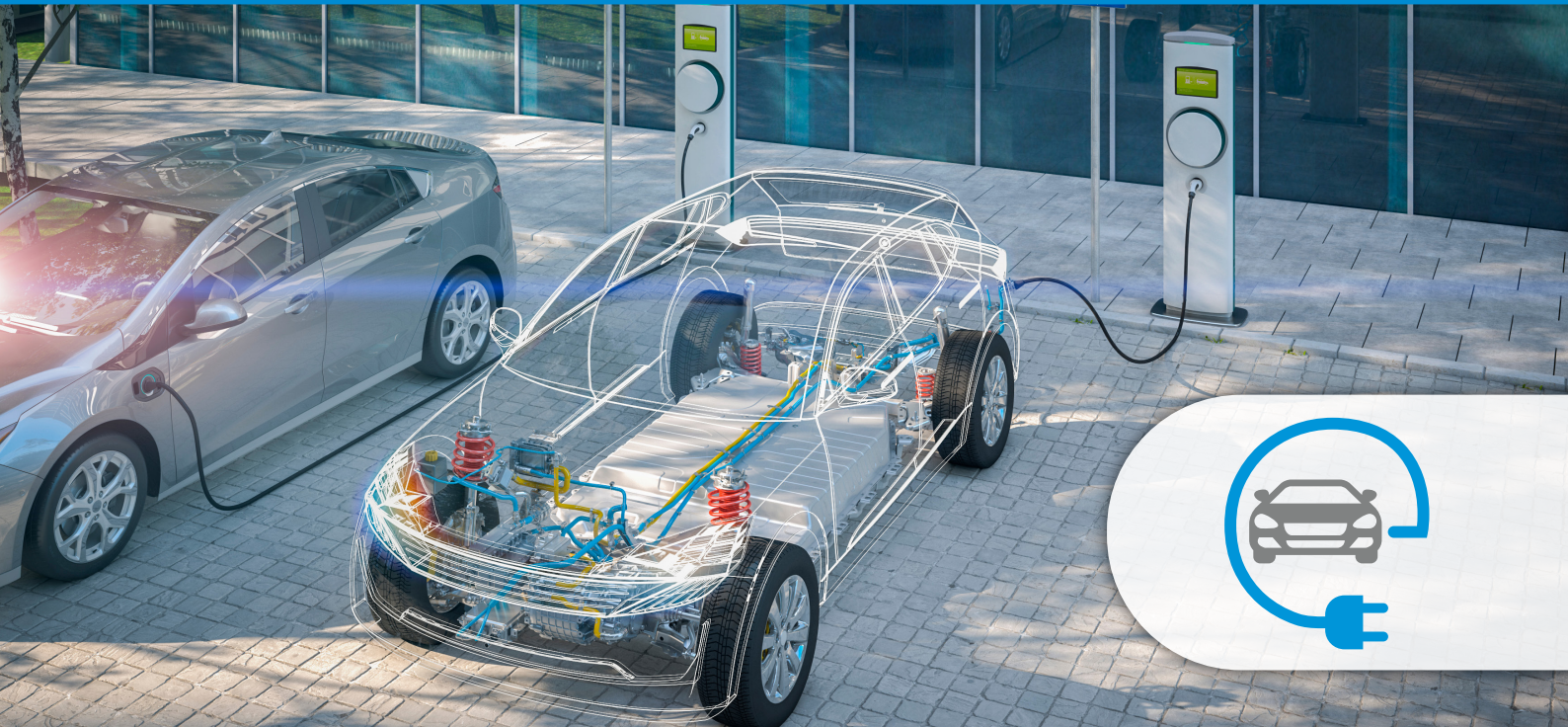
Key Features

- High switching current of 36A@250 VAC and 10,000 operations,
- Achieved 10-kV impulse withstand voltage (between coil & contacts)
- Ambient Operating Temperature 85°C
- Power consumption reduced to 12% compared with rated coil consumption by lowering the applied voltage to the coil after applying nominal voltage for 100 ms relay operation (Reduced to 35% from rated coil voltage)
- Conforms to cULus, EN and CQC

Key Applications

- AC Safety Shutdown
- Ground and air source heat pumps
- Ventilation and temperature control
- Lifts and elevators





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