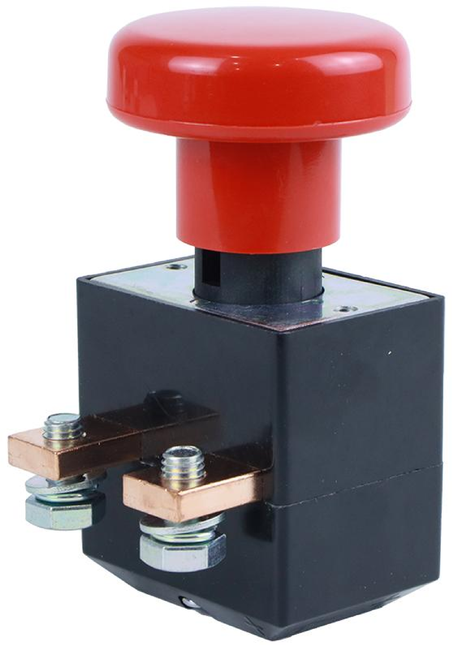

EHK250

Application

The products are mainly used for emergency power off of DC power supply systems such as battery cars, electric forklifts, electric vehicles and excavators.

Model and Meanings

EHK 250

- 250 — Rated current of main contacts (A)
- EHK — Design Code

Electric Wiring Diagram

EHK250

Basic Technical Parameters (at normal conditions)

Electric Parameters			
Contact type	1NC	Instantaneous maxi (closing) current	1000A, ⩽1s
Rated voltage of contacts (DC)	⩽80V	Insulation resistance(MΩ)	DC500V, ⩾100
Rated current of contacts (A)	250	Dielectric withstand voltage	1500V,p.f. 1min, no breakdown
Voltage drop on contacts(mV)	⩽80 (at 100A)	Electric cycles (10^4)	⩾1
Operational form	Manual	Mechanical cycles (10^4)	⩾2
Disconnect thrust F1(N)	20.0⩽F1⩽30.0	Temperature rise on outgoing terminal	⩽65
Closed pull force F2(N)	20.0⩽F2⩽40.0	Material of contact	AgCuO(10)/Cu
Normal closing time (ms)	⩽100	Working duty	Continuous operating duty
Normal disconnection time (ms)	⩽50		
Mechanical/Ambient Conditions			
Torque of outgoing terminal on contact M8(N.m)	⩾8.5N appropriate	Protection grade	IP50
Torque of outgoing terminal on coil M5(N.m)	⩾2.0N appropriate	Mounting methods	Freely
Working temperature	(-25～+55)°C	Vibration	Sine shock: 2.5g, (5～50) Hz
Mounting altitude	⩽2Km	Impact	50g,11ms(Half sine)

Outline and Mounting Picture