QHK01C Single-Pole 300 A Bayonet EV Connectors

300 A · 600 VAC · bayonet · IP67



Current rating	300 A
Contacts	1
Working voltage	600 VAC
Protection	IP67
Mating cycles	> 500

Key features

- 300 A single-pole power connector
- Bayonet coupling
- Silver-plated contacts, threaded fixing
- Plugs crimp to 70 mm² cable; receptacles terminate by crimp, bus bar or stud
- Nickel (shielded) or black paint (unshielded)
- Straight or 90° plugs

Specifications

Electrical

Parameter	Value	Condition
Rated voltage	600 VAC	
Rated current	300 A	
Withstanding voltage	3000 VAC	
Contact resistance	≤ 0.25 mΩ	
Insulation resistance	≥ 5000 MΩ	

Mechanical and environmental

Parameter	Value	Condition
Durability	> 500 mating cycles	
Vibration	10–2000 Hz, 196 m/s²	
Shock	490 m/s²	
Operating temperature	–55 to +105 °C	
Protection	IP67	

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