HQ Series

1. Specifications

   DIN VDE 0110 Concerning clearance and creepage distances
   DIN VDE 0627 Connectors and plug devices

2. Standards
   DIN EN 175 301-801
   DIN EN 61 984

3. Approvals

HQ technical characteristics

Specifications..... DIN EN 60 664-1
.....DIN EN 61 984
Number of contacts.....5,7,8,12,17,4/2 + PE

INSERTS

Working current
HQ-005,008.....16A max
HQ-007, 012, 017.....10A max
HQ4/2.....Power area 40A max
.....Signal area 10A max
Working voltage
HQ-005, 007, 012..... 400V
HQ-008..... 500V
HQ-017.....250V
HQ4/2.....Power area 600V Signal area 250V
Test voltage urms
HQ-005, 017.....4KV
HQ-007, 008, 012, 4/2.....6KV
Pollution degree.....3
Insulation resistance.....$\geq 10^{10}\Omega$
Material.....Polycarbonate
Temperature range.....-40°C... +100°C/125°C
Flammability acc. to UL94.....V0
Working voltage acc. to UL/CSA.....600V
Mechanical working life-mating cycles.....≥500

CONTACTS

Material.....Copper Alloy
Surface.....Hard silver-plated
.....Hard gold-plated
Contact resistance.....≥1mΩ
Terminal.....Crimp terminal
- mm^2.....0.14-4.0/0.14-2.5/1.5-6mm^2
- AWG.....26-12/26-14/16-10
- Tightening/test torque.....0.25Nm

HOODS, HOUSINGS

Material.....Die Cast Aluminium
Surface.....Powder-coated (RAL 7037)
Locking element.....Stainless steel, steel-zinc plated
Temperature range.....-40°C... +125°C
Degree of protection acc. to DIN40 050.....IP65

CURRENT CARRYING CAPACITY

The current carrying is limited by maximum temperature of materials for inserts and contacts including terminals. Control and test procedures according to DIN IEC 60512-3.