



**HE, HEE, HEEE Series**



1. Specifications  
DIN VDE 0110 Concerning clearance and creepage distances  
DIN VDE 0627 Connectors and plug devices
2. Standards  
DIN EN 60 664-1  
DIN EN 61 984
3. Approvals



Quarter Turn Locks
Compression Locks & Latches
Handle Locks
Rod Control Locks
Electronic Locks
Canopy Locks, Handles & Door Stay
Hinges
9 Fold Accessories
Sealing Profiles
Fan Filter
Panel Fasteners
Sleeve & Termination
Wiring Accessories

**Connectors**



Quarter Turn Locks
Compression Locks & Latches
Handle Locks
Rod Control Locks
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Canopy Locks, Handles & Door Stay
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Wiring Accessories
<b>Connectors</b>

**HE technical characteristics**

Specifications.....DIN EN 60 664-1  
 .....DIN EN 61 984  
 Number of contacts..... 6,10,16,24,32(2x16),  
 ..... 48(2x24) + PE

**INSERTS**

Working current..... 16A max  
 (See current carrying capacity)  
 Working voltage..... 500V  
 Test voltage urms.....6KV  
 Pollution degree..... 3  
 Insulation resistance.....  $\geq 10^{10} \Omega$   
 Material..... Polycarbonate  
 Temperature range.....-40°C... + 125°C  
 Flammability acc. to UL94..... V0  
 Working voltage acc. to UL/CSA..... 600V  
 Mechanical working life-mating cycles.....  $\geq 500$

**CONTACTS**

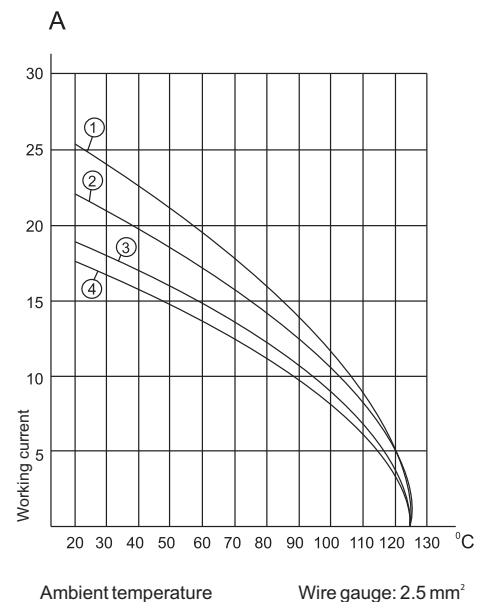
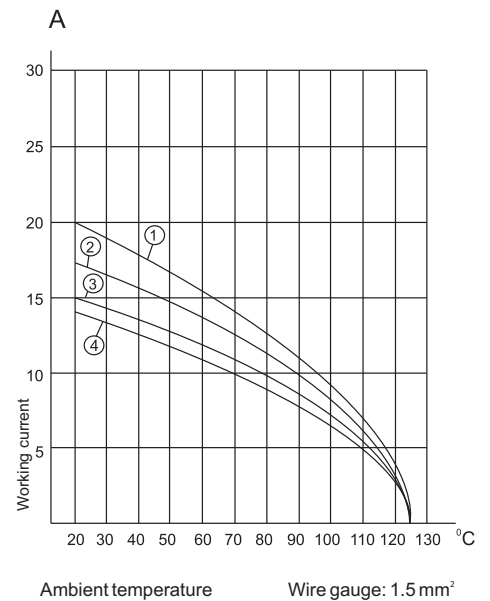
Material..... Copper alloy  
 Surface..... Hard silver-plated  
 .....Hard gold-plated  
 Contact resistance.....  $\geq 1m\Omega$   
 Terminal  
 .....Crimp terminal  
 .....Screw terminal  
 .....Spring terminal  
 .....Double Spring terminal  
 - mm<sup>2</sup>  
 Crimp terminal..... 0.14-4.0  
 Screw terminal.....0.5-2.5  
 Spring terminal..... 0.5-2.5  
 Double Spring terminal.....0.2-2.5  
 - AWG  
 Crimp terminal.....26-12  
 Screw terminal..... 20-14  
 Spring terminal..... 20-14  
 Double Spring terminal..... 26-14  
 - Tightening/test torque..... 0.5 Nm

**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.



- 1 HDC-HE-006
- 2 HDC-HE-010
- 3 HDC-HE-016
- 4 HDC-HE-024



**HEE technical characteristics**

Specifications..... DIN EN 60 664-1  
 ..... DIN EN 61 984  
 Number of contacts..... 10,18,32,46,64(2x32),  
 ..... 92(2x46) + PE

**INSERTS**

Working current..... 16A max  
 (See current carrying capacity)  
 Working voltage..... 500V  
 Test voltage..... 6KV  
 Pollution degree..... 3  
 Insulation resistance.....  $\geq 10^{10} \Omega$   
 Material..... Polycarbonate  
 Temperature range..... -40°C... +125°C  
 Flammability acc. to UL94..... V0  
 Working voltage acc. to UL/CSA..... 600V  
 Mechanical working life-mating cycles.....  $\geq 500$

**CONTACTS**

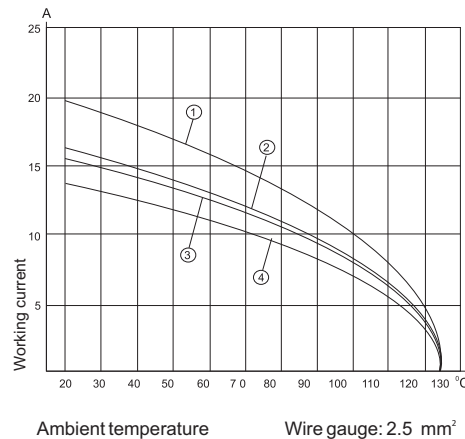
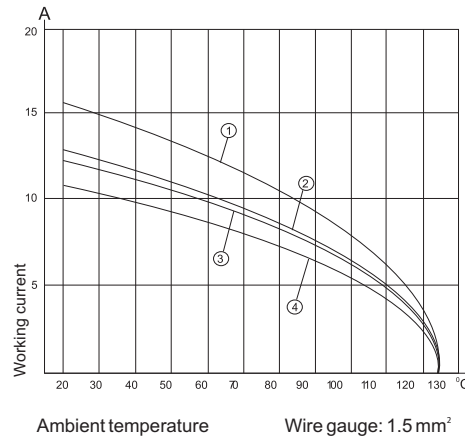
Material..... Copper Alloy  
 Surface..... Hard silver-plated  
 ..... Hard gold-plated  
 Contact resistance.....  $\geq 1m\Omega$   
 Terminal..... Crimp terminal  
 - mm<sup>2</sup>..... 0.14-4.0mm<sup>2</sup>  
 - AWG..... 26-12

**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.



1. HDC-HEE-010
2. HDC-HEE-018
3. HDC-HEE-032
4. HDC-HEE-046

Quarter Turn Locks

Compression Locks & Latches

Handle Locks

Rod Control Locks

Electronic Locks

Canopy Locks, Handles & Door Stay

Hinges

9 Fold Accessories

Sealing Profiles

Fan Filter

Panel Fasteners

Sleeve & Termination

Wiring Accessories

Connectors



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**HEEE technical characteristics**

Specifications.....DIN EN 60 664-1  
 .....DIN EN 61 984  
 Number of contacts.....20,32,40,48,64,72,80(2x40)  
 .....96(2x48),128(2x64), 144(2x72) + PE

**INSERTS**

Working current.....16A max  
 (See current carrying capacity)  
 Working voltage.....  
 HEEE-20, 32, 48, 72, 96,144.....400V  
 HEEE-40, 64, 80, 128.....500V  
 Testvoltageurms.....6KV  
 Pollution degree.....3  
 Insulation resistance..... $\geq 10^{10}\Omega$   
 Material.....Polycarbonate  
 Temperature range.....-40°C... +125°C  
 Flammability acc. to UL94.....V0  
 Working voltage acc. to UL/CSA.....600V  
 Mechanical working life-mating cycles..... $\geq 500$

**CONTACTS**

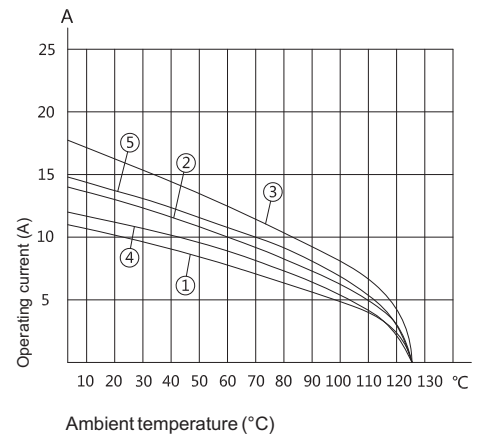
Material.....Copper Alloy  
 Surface.....Hard silver-plated  
 .....Hard gold-plated  
 Contact resistance..... $\geq 5m\Omega$   
 Terminal.....Crimpterminal  
 - mm<sup>2</sup>.....0.14-4.0mm<sup>2</sup>  
 - AWG.....26-12

**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.



- 1 HEEE-064/1.5
- 2 HEEE-064/2.5
- 3 HEEE-064/4.0
- 4 HEEE-040/1.5
- 5 HEEE-040/2.5