Parts of the heavy duty connector

1. Cable gland
   Nylon or brass nickel plated
   Universal cable glands
   Other cable gland

2.Hoods
   Low or high construction
   Top or side cable entry
   2blots or 4 blots or 2 locking levers

3.Male insert or Female insert
   Screw terminal
   Crimp terminal
   Cage-clamp terminal

4. Crimp contacts (only for crimp connection insert)
   Golden plated or silver plated
   Rated current:5A,10A,16A,40A

5.Housings
   Bulkhead mounting or surface mounting or cable to cable
   Low or high construction
   1 or 2 locking levers or 4 bolts
   With or without thermoplastic/metal covers

6. Accessories
   Protective covers
   Code and guide pins for coding
   Tools

Cable clamp

Hoods

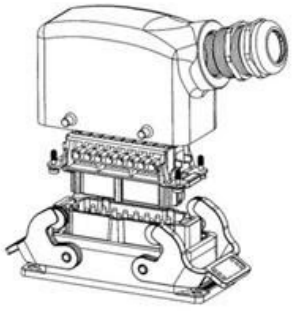
Female contacts

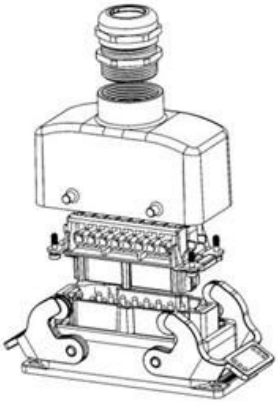
Female insert

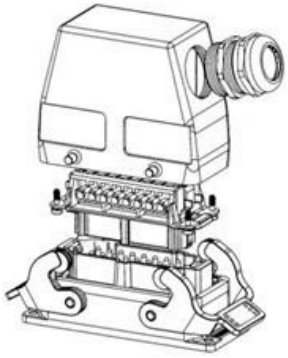
Male insert

Male contacts

Housings


Bulkhead mounting
Side entry


Bulkhead mounting
Top entry


Bulkhead mounting
High structure,Side entry

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 ..... ≥500

CONTACTS

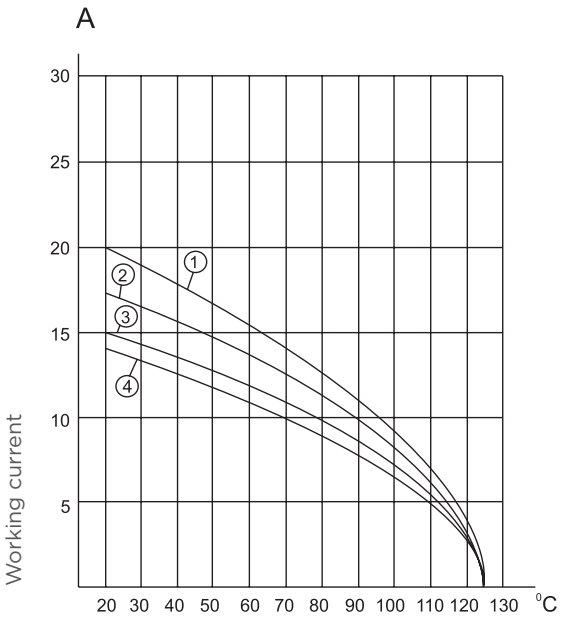
Material ..... Copper alloy
Surface ..... Hard silver-plated
..... Hard gold-plated
Contact resistance ..... ≤1mΩ
Terminal
..... Crimp terminal
..... Screw terminal
..... Spring terminal
..... Double Spring terminal
-mm^2
Crimp terminal 0.14-4.0
Screw terminal 0.5-2.5
Spring terminal 0.5-2.5
Double Spring 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

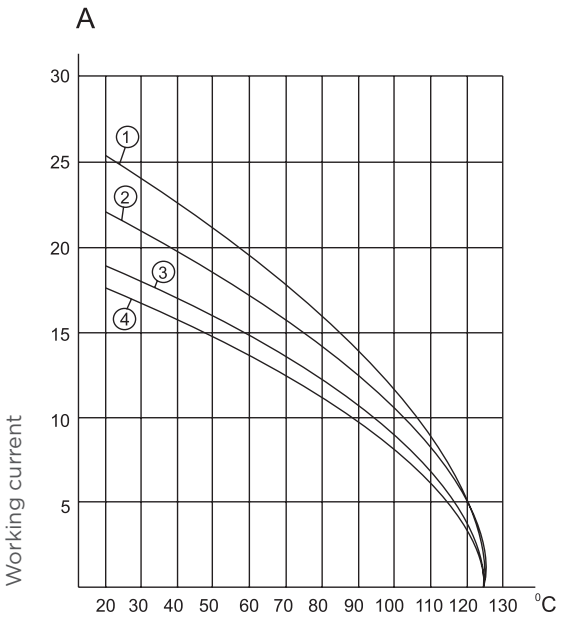
Material ..... Die cast aluminium
Surface ..... Powder-coated (RAL 7037)
Locking element ..... Stainless steel, steel-zinc plated
Temperature range ..... -40°C... +125°C
Degree of protection acc. to DIN40 050 ..... IP65

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.



Ambient temperature Wire gauge: 1.5 mm^2



Ambient temperature Wire gauge: 2.5 mm^2

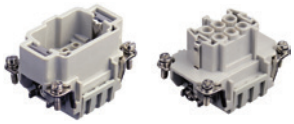
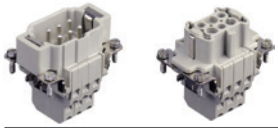
1 HDC-HE-006
2 HDC-HE-010
3 HDC-HE-016
4 HDC-HE-024

HE-006 inserts

INSERTS FOR H6B HOOD/HOUSING

500V MAX. 16A

6+⏚

Dimension (mm)	Type	Part Number	
		Male insert	Female insert
Screw terminal			
	HE-006-M	T2040062101-000	
	HE-006-F		T2040062201-000
Spring terminal			
	HE-006-MS	T2040063101-000	
	HE-006-FS		T2040063201-000
Crimp terminal (Order crimp contacts separately)			
	HE-006-MC	T2040064101-000	
	HE-006-FC		T2040064201-000
Spring terminal (Two terminals per contact)			
	HE-006-MSS	T2040065101-000	
	HE-006-FSS		T2040065201-000

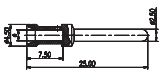
16A Contact

Tech data
Material: copper alloy
Contact resistance: ≤1mΩ
Terminal: crimp connection

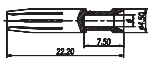
CEM/Male

CEF/Female

16A Male crimp contacts

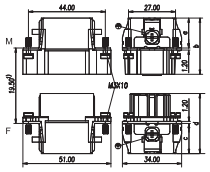


16A Female crimp contacts



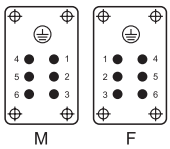
Wire gauge		Stripping length	Crimp contacts, silver-plated		Crimp contacts, gold-plated	
mm²	AWG	mm	Type	Part Number	Type	Part Number
0.14-0.37	26-22	7.5	CEM-0.3	T2030001002-000	DEM-0.3	T2030011002-000
0.5	20	7.5	CEM-0.5	T2030001005-000	DEM-0.5	T2030011005-000
0.75	18	7.5	CEM-0.75	T2030001008-000	DEM-0.75	T2030011008-000
1.0	18	7.5	CEM-1.0	T2030001010-000	DEM-1.0	T2030011010-000
1.5	16	7.5	CEM-1.5	T2030001015-000	DEM-1.5	T2030011015-000
2.5	14	7.5	CEM-2.5	T2030001025-000	DEM-2.5	T2030011025-000
4.0	12	7.5	CEM-4.0	T2030001040-000	DEM-4.0	T2030011040-000
0.14-0.37	26-22	7.5	CEF-0.3	T2030002002-000	DEF-0.3	T2030012002-000
0.5	20	7.5	CEF-0.5	T2030002005-000	DEF-0.5	T2030012005-000
0.75	18	7.5	CEF-0.75	T2030002008-000	DEF-0.75	T2030012008-000
1.0	18	7.5	CEF-1.0	T2030002010-000	DEF-1.0	T2030012010-000
1.5	16	7.5	CEF-1.5	T2030002015-000	DEF-1.5	T2030012015-000
2.5	14	7.5	CEF-2.5	T2030002025-000	DEF-2.5	T2030012025-000
4.0	12	7.5	CEF-4.0	T2030002040-000	DEF-4.0	T2030012040-000

Distance for contact max. 21mm

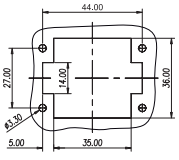


	a	b	c	d
HE	18	33	18	35
HES/HEC	19	34	19	36
HESS	34	49	32	49

Contact arrangement view from termination side



Panel cut-out for inserts for use without hoods/housings



All specifications subject to change. Consult TE Connectivity for latest design specifications.
Contact TE for assistance with any part number configuration.