

Han[®] HsB

Page

| | |
|--|--------------|
| Technical characteristics Han [®] HsB | 07.10 |
| Han [®] 6 HsB | 07.11 |
| Han [®] 12 HsB | 07.14 |

Specifications

DIN VDE 0627
DIN VDE 0110
DIN EN 61 984

Approvals



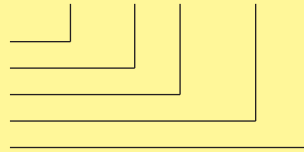
Inserts

Number of contacts 6, 12 (2 x 6) + PE

Electrical data
acc. to DIN EN 61 984

35 A 400/690 V 6 kV 3

Working current
Working voltage conductor – ground
Working voltage conductor – conductor
Rated impulse voltage
Pollution degree



or 35 A 500 V 6 kV 3

Working voltage
acc. to UL/CSA

600 V

Insulation resistance
Material
Limiting temperatures
Flammability acc. to UL 94
Mechanical working life
- Mating cycles

≥ 10¹⁰ Ω
Polycarbonate
- 40 °C / +125 °C
V 0
≥ 500

Contacts

Material copper alloy
Surface
- hard-silver plated 3 μm Ag
Contact resistance ≤ 1 mΩ
Screw terminal
- mm² 6 mm²
- AWG 10
- Tightening torque 1.2 Nm

Hoods/Housings

Material die cast aluminium
Surface powder-coated
RAL 7037
Locking element Han-Easy Lock®
Hoods/Housings seal NBR
Limiting temperatures - 40 °C / +125 °C
Degree of protection acc. to DIN EN 60 529 for coupled connector IP 65
Further selection of hoods/housings chapter 30 / chapter 31

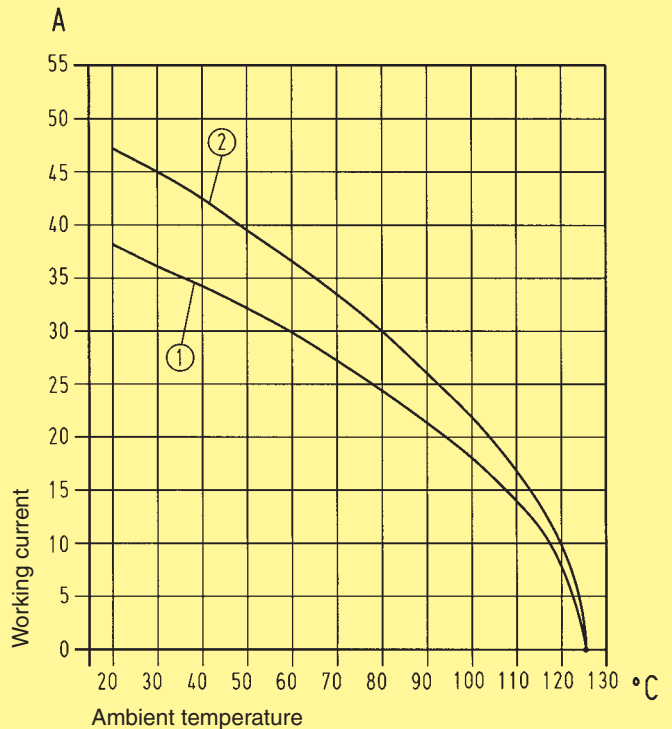
Accessories

Cable clamps chapter 40
Coding of hoods/housings chapter 40
Label acc. to CSA-approval chapter 40
Han-Snap® chapter 11

Current carrying capacity

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

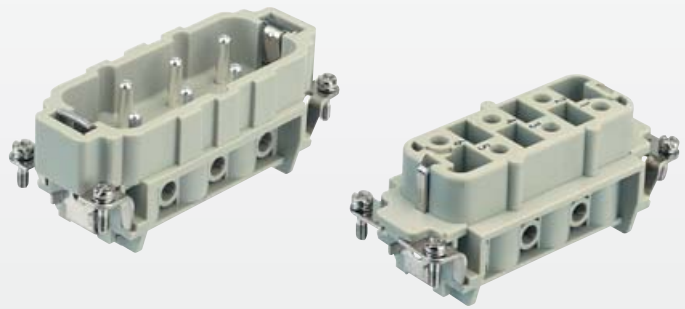
Control and test procedures according to DIN IEC 60 512-3.



① Wire gauge: 4 mm²
② Wire gauge: 6 mm²

Number of contacts

6 +



Inserts

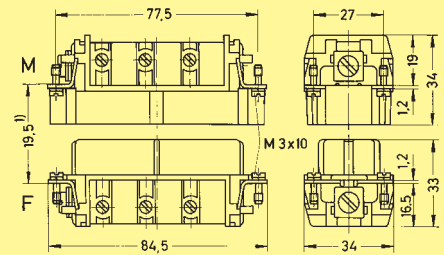
| Identification | Series | Part No. | | Drawing | Dimensions in mm |
|----------------|--------|-----------------|-------------------|---------|------------------|
| | | Male insert (M) | Female insert (F) | | |

Screw terminal

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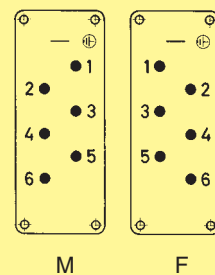
09 31 006 2601

09 31 006 2701

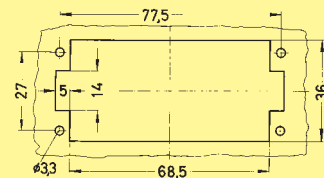


¹⁾ Distance for contact max. 21 mm

Contact arrangement View from termination side


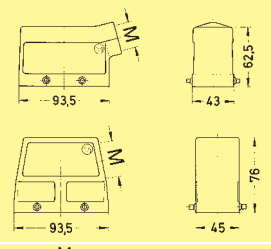

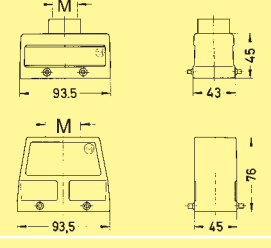

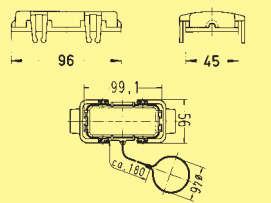

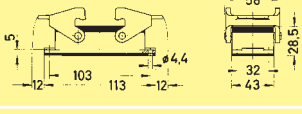
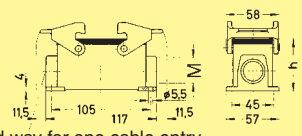

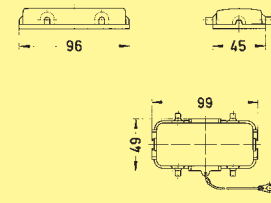

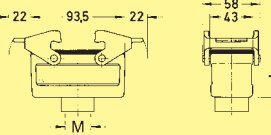

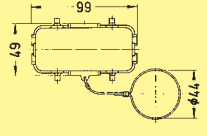


Panel cut out for inserts
for use without hoods/housings



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| Identification | Part No. | | | Drawing | Dimensions in mm |
|--|--|--|------------------------|---|------------------|
| | Low construction | High construction | M | | |
| Hoods side-entry  | 19 30 016 1521 19 30 016 1522 | 19 30 016 0527 19 30 016 0528 | 25 32 |  | |
| | | | | | |
| Hoods top-entry  | 19 30 016 1421 19 30 016 1422 | 19 30 016 0427 19 30 016 0428 | 25 32 |  | |
| | | | | | |
| Protection covers for housings thermoplastic/metal  | 09 30 016 5401 | | |  | |
| | 09 30 016 5422 | | | | |
| Housing bulkhead mounting  | 09 30 016 0301 | | — | Panel cut out 82 x 35 mm  | |
| Housings surface mounting | 1 side-entry 19 30 016 1231 | 19 30 016 0232 | 25 32 |  | |
| | 2 side-entries 19 30 016 1271 | | | | |
| Protection covers for housings bulkhead mounting thermoplastic/metal  | 09 30 016 5405 | | |  | |
| | 09 30 016 5425 | | | | |
| Hoods cable to cable  | 19 30 016 1731 | 19 30 016 0736 19 30 016 0737 | 25 32 |  | |
| Protection cover for hoods cable to cable metal  | 09 30 016 5426 | | |  | |

| Identification | Part No. | | | Drawing | Dimensions in mm |
|----------------|---------------------------------------|--|---|----------|------------------------------|
| | Low construction | High construction | M | | |
| Hoods | Hoods side-entry | 19 30 016 1541 19 30 016 1542 | | 25 32 | |
| | | | 19 30 016 0547 19 30 016 0548 | 32 40 | |
| | Hoods top-entry | 19 30 016 1441 19 30 016 1442 | | 25 32 | |
| | | | 19 30 016 0447 19 30 016 0448 | 32 40 | |
| Housings | Housings bulkhead mounting | 09 30 016 0307 with thermo-plastic cover 09 30 016 0306 with metal cover 09 30 016 0318 | | — | Panel cut out 82 x 35 mm |
| | Housings surface mounting | 1 side-entry 19 30 016 1251 | | 25 32 | |
| | | 2 side-entries 19 30 016 1291 | | 25 32 | |
| | | 1 side-entry with thermo-plastic cover 19 30 016 1256 | | 25 | |
| | | 2 side-entries with thermo-plastic cover 19 30 016 1296 | | 25 32 | |
| | | 2 side-entries with metal cover 19 30 016 2296 | | 25 | |
| | Hoods cable to cable | 19 30 016 1751 | | 25 32 | |
| | | 19 30 016 0757 | | 25 32 | |

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¹⁾ Blind way for one cable entry

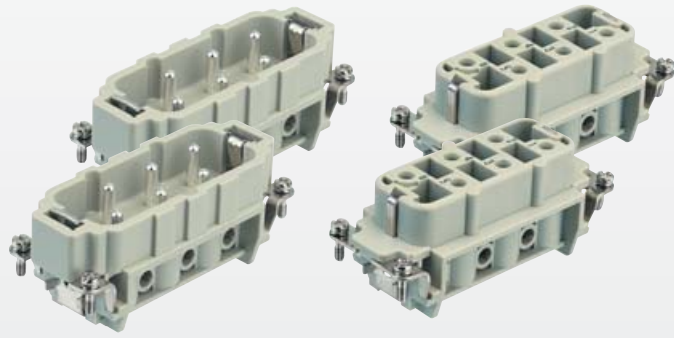
| | h |
|-------------------|----|
| Low construction | 56 |
| High construction | 81 |

| | h |
|-------------------|------|
| Low construction | 47.5 |
| High construction | 78.5 |

Stock items in bold type

Number of contacts

12 +



Inserts

| Identification | Series | Part No. | | Drawing | Dimensions in mm |
|----------------|--------|-----------------|-------------------|---------|------------------|
| | | Male insert (M) | Female insert (F) | | |

Screw terminal

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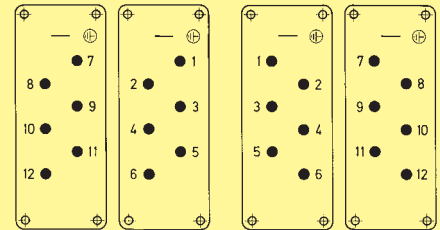
1- 6
7-12

09 31 006 2601
09 31 006 2611

09 31 006 2701
09 31 006 2711

Dimensions for inserts see page 07.11

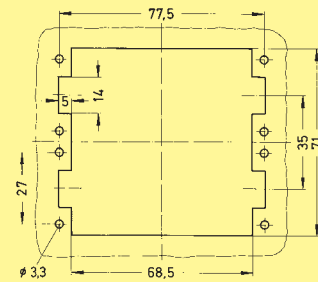
Contact arrangement View from termination side




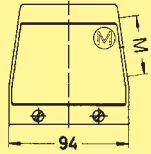
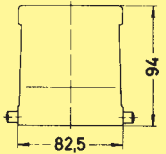

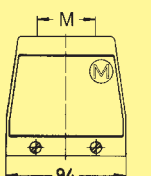
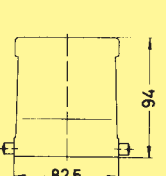
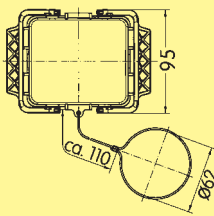

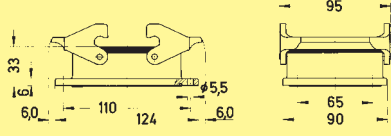
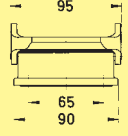

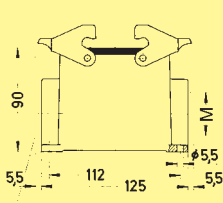
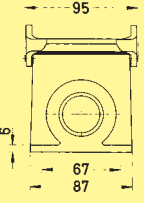

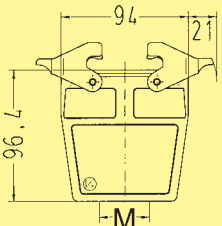
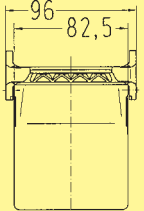
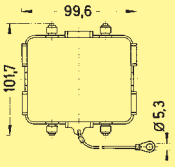
M

F

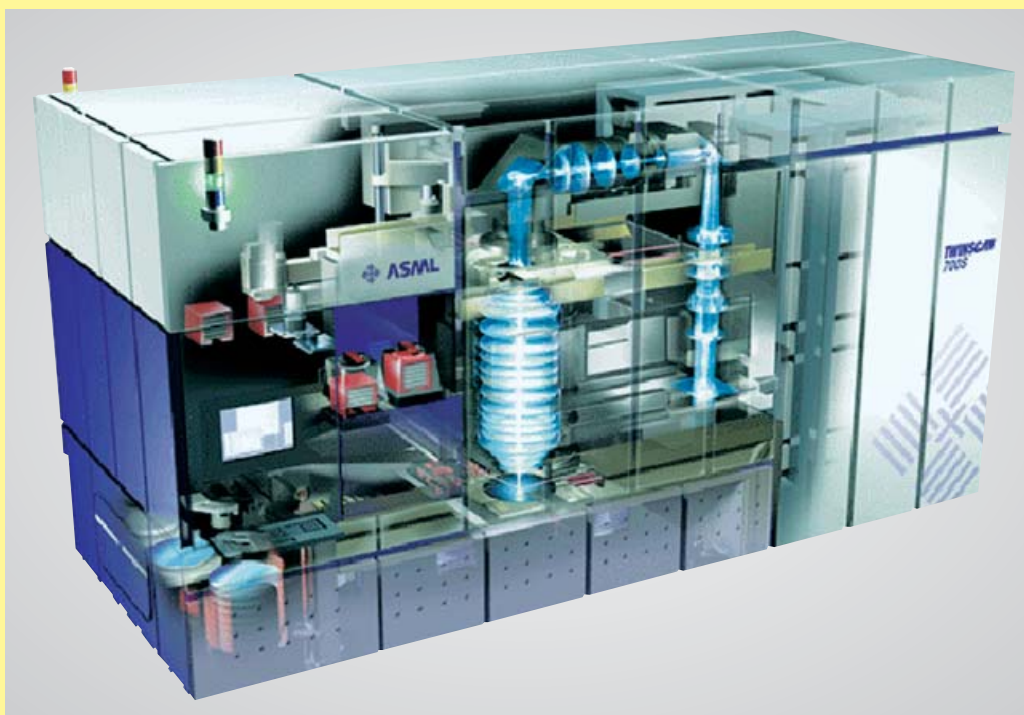
Panel cut out for inserts
for use without hoods/housings



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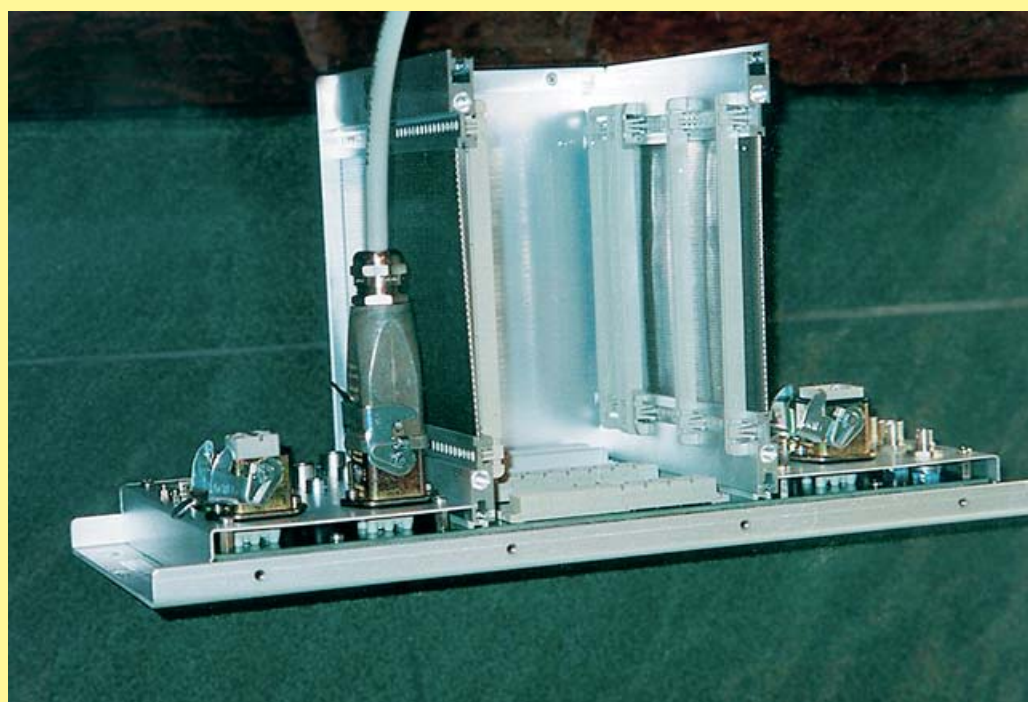
| Identification | | Part No. | M | Drawing | Dimensions in mm |
|----------------|--|---|----------------------------|---|---|
| Hoods | Hoods side-entry  | 19 30 032 0527 19 30 032 0528 19 30 032 0529 | 32 40 50 |  |  |
| | Hoods top-entry  | 19 30 032 0427 19 30 032 0428 19 30 032 0429 | 32 40 50 |  |  |
| | Protection cover for hoods | 09 30 032 5420 | — |  | |
| Housings | Housing bulkhead mounting  | 09 30 032 0301 | — |  |  |
| | Housings surface mounting  | 19 30 032 0232 19 30 032 0272 19 30 032 0273 | 1 x 32 2 x 32 2 x 40 |  |  |
| | Hoods cable to cable  | 19 30 032 0738 | 2 x 40 |  |  |
| | Protection covers for housings | 09 30 032 5425 | — |  | |

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“Wafer scanner” TWINSCAN
ASML, Lithography, Veldhoven, Netherlands



Han® Q 5/0 PCB adapter used at
ASML, Lithography, Veldhoven, Netherlands