

## Features

- ❑ 12 contact chambers for
  - Signal contacts (10 A)
  - FOC contacts for 1 mm plastic fibre
  
- ❑ Male insert with additional protection collar
  
- ❑ Polarization of module
  
- ❑ Crimp termination
  
- ❑ Signal contacts with silver respectively gold plated surface
  
- ❑ Alternatively use of male and female modules within one frame
  
- ❑ Contact spacing enables the use of pcb-adaptors (see page 06.38)

## Technical characteristics

Specifications DIN VDE 0627  
DIN VDE 0110

Approvals

**Inserts**

|                                     |                       |
|-------------------------------------|-----------------------|
| Number of contacts                  | 12                    |
| Working current                     | 10 A                  |
| Working voltage                     | 250 V                 |
| Working voltage according to UL/CSA | 600 V                 |
| Pollution degree                    | 3 (C)                 |
| Test voltage $U_{eff}$              | 2 kV                  |
| Material                            | Polycarbonate         |
| Insulation resistance               | $\geq 10^{10} \Omega$ |
| Temperature range                   | - 40 °C + 125 °C      |
| Flammability acc. to UL 94          | V0                    |
| Mechanical working life             |                       |
| - mating cycles                     | $\geq 500$            |

**Contacts**

|                      |  |
|----------------------|--|
| Material             | copper alloy                               |
| Surface              |  |
| - hard-silver plated | 3 $\mu\text{m}$ Ag                         |
| - hard-gold plated   | 2 $\mu\text{m}$ Au over 3 $\mu\text{m}$ Ni |
| Contact resistance   | $\leq 3 \text{ m}\Omega$                   |
| Crimp terminal       |  |
| - $\text{mm}^2$      | 0.14 - 2.5 $\text{mm}^2$                   |
| - AWG                | 26 - 14                                    |

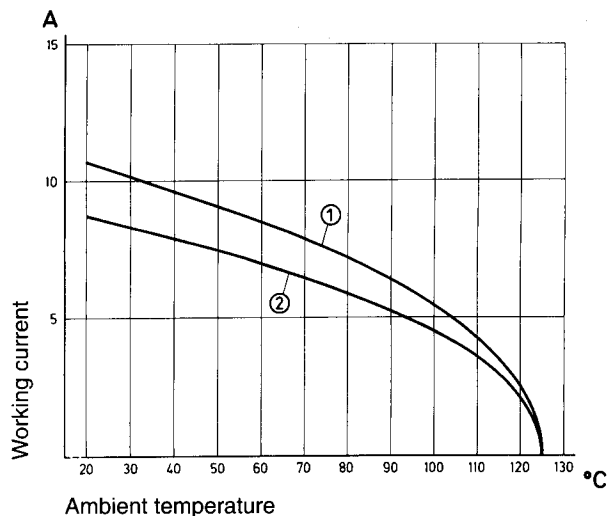
**Locking clip**

|          |                               |
|----------|-------------------------------|
| Material | non-corroding<br>spring steel |
|----------|-------------------------------|

### 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 512-3.

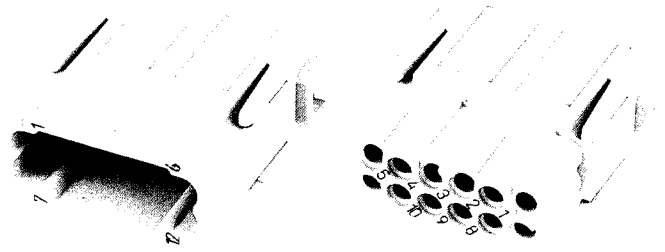


- ① 24 B hood/housing with 6 modules; wire gauge: 1.5  $\text{mm}^2$
- ② 24 B hood/housing with 6 modules; wire gauge: 1.0  $\text{mm}^2$

Number of contacts

# 12

## Han® DD-module



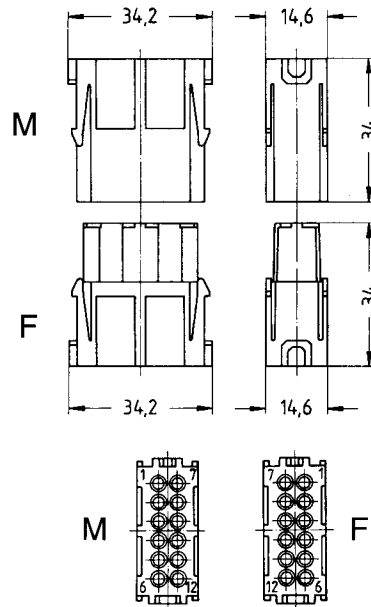
Identification      Part No.      Male insert (M)      Female insert (F)      Drawing      Dimensions in mm

Crimp terminal

Order contacts separately

**09 14 012 3001**

**09 14 012 3101**



Contact arrangement View from termination side

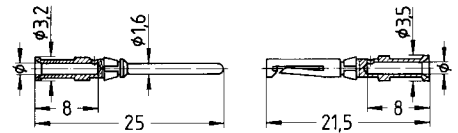
Identification      Wire gauge (mm<sup>2</sup>)      Part No.      Male contacts      Female contacts      Drawing      Dimensions in mm

Crimp contacts

silver plated



|           |                       |                       |
|-----------|-----------------------|-----------------------|
| 0.14-0.37 | <b>09 15 000 6104</b> | <b>09 15 000 6204</b> |
| 0.5       | <b>09 15 000 6103</b> | <b>09 15 000 6203</b> |
| 0.75      | <b>09 15 000 6105</b> | <b>09 15 000 6205</b> |
| 1.0       | <b>09 15 000 6102</b> | <b>09 15 000 6202</b> |
| 1.5       | <b>09 15 000 6101</b> | <b>09 15 000 6201</b> |
| 2.5       | <b>09 15 000 6106</b> | <b>09 15 000 6206</b> |



gold plated



|           |                       |                       |
|-----------|-----------------------|-----------------------|
| 0.14-0.37 | <b>09 15 000 6124</b> | <b>09 15 000 6224</b> |
| 0.5       | <b>09 15 000 6123</b> | <b>09 15 000 6223</b> |
| 0.75      | <b>09 15 000 6125</b> | <b>09 15 000 6225</b> |
| 1.0       | <b>09 15 000 6122</b> | <b>09 15 000 6222</b> |
| 1.5       | <b>09 15 000 6121</b> | <b>09 15 000 6221</b> |
| 2.5       | <b>09 15 000 6126</b> | <b>09 15 000 6226</b> |

| Wire gauge                |           | ø       | Stripping length |
|---------------------------|-----------|---------|------------------|
| 0.14-0.37 mm <sup>2</sup> | AWG 26-22 | 0.90 mm | 8 mm             |
| 0.5 mm <sup>2</sup>       | AWG 20    | 1.10 mm | 8 mm             |
| 0.75 mm <sup>2</sup>      | AWG 18    | 1.30 mm | 8 mm             |
| 1 mm <sup>2</sup>         | AWG 18    | 1.45 mm | 8 mm             |
| 1.5 mm <sup>2</sup>       | AWG 16    | 1.75 mm | 8 mm             |
| 2.5 mm <sup>2</sup>       | AWG 14    | 2.25 mm | 6 mm             |

FOC contacts

for 1 mm plastic fibre

20 10 001 3211

20 10 001 3221

Cable see catalogue  
"Fibre Optic Data Link Systems"

