# Han® Shielded power module



## Features

- Interface for typical motor applications such as frequency-controlled drives
- 4 power contacts (pin 4 is pre-leading to be used as a PE)
- 2 signal contacts for temperature monitoring or breaks
- EMC compatible connection of the cable screen with a large-area shielding plate
- Shielded power cables can now be connectorised in combination with other cables

## Technical characteristics

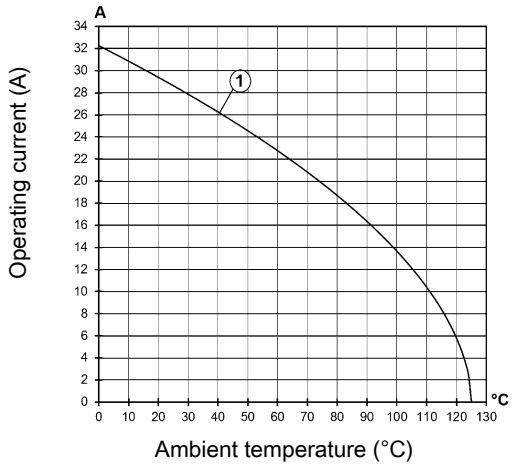
| | |
|---|---|
| Number of contacts | 4 |
| Additional contacts | + 2 additional signal contacts, + shielding |
| Rated current | 16 A |
| Rated voltage | 400 V |
| Rated impulse voltage | 4 kV |
| Pollution degree | 3 |
| Rated current (signal) | 10 A |
| Rated voltage (signal) | 400 V |
| Rated impulse voltage (signal) | 4 kV |
| Pollution degree (signal) | 3 |
| Insulation resistance | $>10^{10}$ Ω |
| Contact resistance | ≤3 mΩ, ≤1 mΩ |
| Limiting temperature | -40 ... +125 °C |
| Mating cycles | ≥500 |
| Material (insert) | Polycarbonate (PC) |
| Colour (insert) | RAL 7032 (pebble grey) |
| Material (contacts) | Copper alloy |
| Material flammability class acc. to UL 94 | V-0 |
| RoHS | compliant with exemption |

## Derating

### Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2




① 24 B hoods/housings with 6 modules Conductor cross-section 4 mm²

## Specifications and approvals

EN 60664-1
IEC 61984

## Details

Contact resistance Han D® crimp contact: ≤ 3 mOhm

Contact resistance Han E® crimp contact: ≤ 1 mOhm

**Crimping tools** see chapter Han 90

**Remarks on the crimp technique**

The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.