

Features

- Compact design saves space
- No interruption of the energy supply
- Leading PE contact within the insert
- Assembly with standard tools
- Black plastic hood, top entry
- Cable to cable housings with male insert and hood with female insert

Technical characteristics

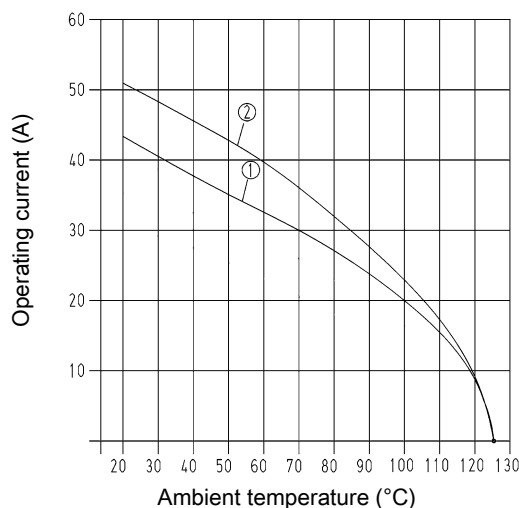
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|---|---|
| Number of contacts | 4 |
| Additional contacts | + 2 additional signal contacts |
| Termination method | IDC insulation displacement termination |
| Rated current | 40 A |
| Rated voltage conductor-earth | 400 V |
| Rated voltage conductor-conductor | 690 V |
| Rated impulse voltage | 6 kV |
| Pollution degree | 3 |
| Rated current (signal) | 10 A |
| Rated voltage (signal) | 250 V |
| Rated impulse voltage (signal) | 4 kV |
| Pollution degree (signal) | 3 |
| Rated voltage acc. to UL | 600 V |
| Rated voltage acc. to UL (signal) | 250 V |
| Insulation resistance | $\geq 10^{10} \Omega$ |
| Contact resistance | $\leq 0.3 \text{ m}\Omega$ |
| Limiting temperature | -40 ... +125 °C |
| Mating cycles | ≥ 500 |
| Degree of protection acc. to IEC 60529 | IP65 |
| Material (hood/housing) | Polycarbonate |
| Colour (hood/housing) | RAL 9005 (jet black) |
| Material (seal) | NBR |
| Material (locking) | Polyamide |
| Material (contacts) | Copper alloy |
| Material flammability class acc. to UL 94 | V-0 |
| RoHS | compliant with exemption |
| RoHS exemptions | 6c: Copper alloy containing up to 4 % lead by weight |

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 Han® Q 4/2 Conductor cross-section 4 mm²
 ② Han® Q 4/2 Conductor cross-section 6 mm²

Specifications and approvals

EN 60664-1
 IEC 61984



Details

The Han-Power® S connector is suitable for the assembly of serial power bus.

Having assembled the energy supply Han-Power® S can be inserted at any place of the power cable. The cable jacket has to be removed, the conductor is placed without interruption in the IDC.

Han-Power® S is suitable for cables with single strands manufactured acc. to DIN VDE 0281/ EN 60228. For the distribution of the device Han-Compact® hoods or cable to cable housings are used.

This power supply has to be realized with one Han-Compact® cable to cable hood.

Mouser Electronics

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