

## Han 70A Hybrid module, male 14-22mm<sup>2</sup>



Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 14 005 2647                                                                |
| Specification      | Han 70A Hybrid module, male 14-22mm <sup>2</sup>                              |
| HARTING eCatalogue | <a href="https://harting.com/09140052647">https://harting.com/09140052647</a> |

### Identification

|                    |                         |
|--------------------|-------------------------|
| Category           | Modules                 |
| Series             | Han-Modular®            |
| Type of module     | Han® 70 A Hybrid module |
| Size of the module | Single module           |

### Version

|                           |                                             |
|---------------------------|---------------------------------------------|
| Termination method        | Axial screw termination / crimp termination |
| Gender                    | Male                                        |
| Number of contacts        | 5                                           |
| Number of signal contacts | 4                                           |
| Number of power contacts  | 1                                           |
| Details                   | Please order signal contacts separately.    |

### Technical characteristics

|                         |                                |
|-------------------------|--------------------------------|
| Conductor cross-section | 14 ... 22 mm <sup>2</sup>      |
| Wire outer diameter     | ≤10 mm Power<br>≤4.8 mm Signal |
| Rated current           | 70 A                           |
| Rated voltage           | 1,000 V                        |
| Rated impulse voltage   | 8 kV                           |
| Pollution degree        | 3                              |
| Rated current (signal)  | 16 A                           |
| Rated voltage (signal)  | 400 V                          |



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## Technical characteristics

|                                |                           |
|--------------------------------|---------------------------|
| Rated impulse voltage (signal) | 6 kV                      |
| Pollution degree (signal)      | 3                         |
| Insulation resistance          | >10 <sup>10</sup> Ω       |
| Contact resistance             | ≤0.5 mΩ                   |
| Stripping length               | 12.5 ... 13.5 mm          |
| Tightening torque              | 4 Nm @ 14 mm <sup>2</sup> |
|                                | 4 Nm @ 16 mm <sup>2</sup> |
|                                | 4 Nm @ 22 mm <sup>2</sup> |
| Limiting temperature           | -40 ... +125 °C           |
| Mating cycles                  | ≥500                      |

## Material properties

|                                           |                                                        |
|-------------------------------------------|--------------------------------------------------------|
| Material (insert)                         | Polycarbonate (PC)                                     |
| Colour (insert)                           | RAL 7032 (pebble grey)                                 |
| Material flammability class acc. to UL 94 | V-0                                                    |
| RoHS                                      | compliant with exemption                               |
| RoHS exemptions                           | 6(c): Copper alloy containing up to 4 % lead by weight |
| ELV status                                | compliant with exemption                               |
| China RoHS                                | 50                                                     |
| REACH Annex XVII substances               | Not contained                                          |
| REACH ANNEX XIV substances                | Not contained                                          |
| REACH SVHC substances                     | Yes                                                    |
| REACH SVHC substances                     | Lead                                                   |
| ECHA SCIP number                          | 5dbb3851-b94e-4e88-97a1-571845975242                   |
| California Proposition 65 substances      | Yes                                                    |
| California Proposition 65 substances      | Lead                                                   |
|                                           | Nickel                                                 |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08) + A1 (2023-10)                    |
| Requirement set with Hazard Levels        | R22 (HL 1-3)                                           |
|                                           | R23 (HL 1-3)                                           |

## Specifications and approvals

|                |                              |
|----------------|------------------------------|
| Specifications | IEC 60664-1                  |
|                | IEC 61984                    |
|                | IEC 61373 Category 1 Class B |
| UL / CSA       | UL 1977 ECBT2.E235076        |



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Specifications and approvals

|           |        |
|-----------|--------|
| Approvals | DNV GL |
|-----------|--------|

Commercial data

|                                |                                                           |
|--------------------------------|-----------------------------------------------------------|
| Packaging size                 | 2                                                         |
| Net weight                     | 22.3 g                                                    |
| Country of origin              | Germany                                                   |
| European customs tariff number | 85389099                                                  |
| GTIN                           | 5713140020276                                             |
| eCl@ss                         | 27440217 Module for industrial connectors (power/signals) |
| ETIM                           | EC000438                                                  |
| UNSPSC 24.0                    | 39121552                                                  |