

## Han Gigabit insert M Cat. 7 (shield-GND)



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 14 008 3032                                                                |
| Specification      | Han Gigabit insert M Cat. 7 (shield-GND)                                      |
| HARTING eCatalogue | <a href="https://harting.com/09140083032">https://harting.com/09140083032</a> |

### Identification

|                           |                                 |
|---------------------------|---------------------------------|
| Category                  | Modules                         |
| Type of module            | Han <sup>®</sup> Gigabit module |
| Description of the module | Insert                          |
| Features                  | Suitable for PoE++              |

### Version

|                    |                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Termination method | Crimp termination                                                                                                                           |
| Gender             | Male                                                                                                                                        |
| Number of contacts | 8                                                                                                                                           |
| further contacts   | + shielding                                                                                                                                 |
| Details            | With additional shield connection to the hinged frame<br>Please order crimp contacts separately.<br>Please order adapter module separately. |

### Technical characteristics

|                          |                               |
|--------------------------|-------------------------------|
| Conductor cross-section  | 0.09 ... 0.52 mm <sup>2</sup> |
| Wire outer diameter      | ≤1.7 mm                       |
| Rated current            | 5 A                           |
| Rated voltage            | 50 V                          |
| Rated voltage            | 50 V AC<br>60 V DC            |
| Rated impulse voltage    | 0.8 kV                        |
| Pollution degree         | 3                             |
| Rated voltage acc. to UL | 30 V                          |



**Pushing Performance**  
Since 1945

## Technical characteristics

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Transmission characteristics  | Cat. 7 <sub>A</sub> Class F <sub>A</sub> up to 1,000 MHz |
| Data rate                     | 10 Mbit/s                                                |
|                               | 100 Mbit/s                                               |
|                               | 1 Gbit/s                                                 |
|                               | 2.5 Gbit/s                                               |
|                               | 5 Gbit/s                                                 |
|                               | 10 Gbit/s                                                |
| Contact resistance, shielding | ≤100 mΩ                                                  |
| Limiting temperature          | -40 ... +85 °C                                           |
| Mating cycles                 | ≥500                                                     |

## Material properties

|                                           |                                                           |
|-------------------------------------------|-----------------------------------------------------------|
| Material (insert)                         | Polycarbonate (PC)                                        |
| Colour (insert)                           | RAL 7032 (pebble grey)                                    |
| Material (shielding)                      | Zinc die-cast, nickel-plated                              |
| Material flammability class acc. to UL 94 | V-0                                                       |
| RoHS                                      | compliant                                                 |
| ELV status                                | compliant                                                 |
| China RoHS                                | e                                                         |
| REACH Annex XVII substances               | Not contained                                             |
| REACH ANNEX XIV substances                | Not contained                                             |
| REACH SVHC substances                     | Yes                                                       |
| REACH SVHC substances                     | Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate |
| ECHA SCIP number                          | 1e38d35d-d1be-4585-8e03-95faccd739bf                      |
| California Proposition 65 substances      | Not contained                                             |
| 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                         |
| UL / CSA       | UL 1977 ECBT2.E235076             |
|                | CSA-C22.2 No. 182.3 ECBT8.E235076 |
| Approvals      | DNV GL                            |



**Pushing Performance**  
Since 1945

Commercial data

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Packaging size                 | 1                                                |
| Net weight                     | 36 g                                             |
| Country of origin              | Romania                                          |
| European customs tariff number | 85389099                                         |
| GTIN                           | 5713140187474                                    |
| eCl@ss                         | 27440218 Module for industrial connectors (data) |
| ETIM                           | EC000438                                         |
| UNSPSC 24.0                    | 39121552                                         |