

# PATG HF 1/18 - Conductor marker carrier



1014047

<https://www.phoenixcontact.com/gb/products/1014047>

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Conductor marker carrier, transparent/black, unlabeled, cable diameter range: 1.3 ... 2.8 mm, mounting type: slide-on, text field height: 4 mm, text field width: 18 mm

## Your advantages

- The PATG HF... sleeve is a captive marker carrier
- These conductor marking systems consist of marker carriers and insert labels
- Comprehensive approvals ensure international use
- The use of high-quality plastics supports the most stringent demands of the rail industry and the automotive industry
- The corresponding UCT-WMT... and UC-WMT... insert labels are used for marking
- Due to the plastic properties of the PATG HF..., high-quality fluid printing of the UC-WMT... with the BLUEMARK... is required

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1014047             |
| Packing unit                         | 1,000 pc            |
| Minimum order quantity               | 1,000 pc            |
| Sales key                            | BG221A              |
| Product key                          | BG221A              |
| Catalog page                         | Page 250 (C-3-2019) |
| GTIN                                 | 4046356779340       |
| Weight per piece (including packing) | 0.247 g             |
| Weight per piece (excluding packing) | 0.212 g             |
| Customs tariff number                | 39269097            |
| Country of origin                    | DE                  |

## Technical data

### Product properties

|              |                      |
|--------------|----------------------|
| Product type | Marker carrier cable |
| Type         | Profile              |

### Dimensions

|        |        |
|--------|--------|
| Width  | 5.7 mm |
| Length | 18 mm  |

### External dimensions

|                  |                   |
|------------------|-------------------|
| Outside diameter | 1.3 mm ... 2.8 mm |
|------------------|-------------------|

### Text field

|                   |       |
|-------------------|-------|
| Text field width  | 18 mm |
| Text field height | 4 mm  |

### Material specifications

|                                                        |                                          |
|--------------------------------------------------------|------------------------------------------|
| Color                                                  | multicolored                             |
|                                                        | transparent                              |
|                                                        | black (RAL 9005)                         |
| Material                                               | TPU                                      |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3                              |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3                              |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3                              |
| Components                                             | free from silicone, halogen, and cadmium |

### Cable/line

|                         |                   |
|-------------------------|-------------------|
| External cable diameter | 1.3 mm ... 2.8 mm |
|-------------------------|-------------------|

### Environmental and real-life conditions

#### Test for substances that would hinder coating with paint or varnish

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

#### UV resistance

|               |                    |
|---------------|--------------------|
| Specification | ISO 4892-2:2013-03 |
| Result        | Test passed        |
| Test duration | 96 h               |

#### Temperature resistance

|                        |                                 |
|------------------------|---------------------------------|
| Specification          | ANSI/UL 969-2018:03 (following) |
| Test duration          | 240 h                           |
| Rating 100 °C (121 °C) | Test passed                     |
| Specification          | ISO 175:2010 (following)        |
| Test duration          | 168 h                           |

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|                                                   |             |
|---------------------------------------------------|-------------|
| Sodium hydroxide 0.1 mol/l<br>[CAS No. 1310-73-2] | Test passed |
| Ethanol (99 %)<br>[CAS No. 64-17-5]               | Test passed |
| Diesel<br>[CAS No. 68476-34-6]                    | Test passed |
| IRM 901                                           | Test passed |
| IRM 902                                           | Test passed |

## Testing in a condensation changing climate in the presence of sulfur dioxide

|               |                   |
|---------------|-------------------|
| Specification | DIN 50018:2013-05 |
| Result        | Test passed       |
| Climate level | AHT 1.0 S         |
| Cycles        | 2                 |

## Salt spray test

|               |                           |
|---------------|---------------------------|
| Specification | DIN EN 60068-2-11:2000-02 |
| Result        | Test passed               |
| Test duration | 96 h                      |

## Ambient conditions

|                                                     |                                                                                                         |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)                     | -40 °C ... 85 °C                                                                                        |
| Recommended storage conditions                      | 23 °C/50 % relative humidity. Storage in a dry and dark place in the original packaging is recommended. |
| Recommended ambient temperature (storage/transport) | 23 °C                                                                                                   |
| Recommended humidity (storage/transport)            | 50 %                                                                                                    |
| Shelf life                                          | 2 years                                                                                                 |

## Standards and regulations

### Standards

|                       |            |
|-----------------------|------------|
| Standards/regulations | EN 45545-2 |
|-----------------------|------------|

## Mounting

|               |          |
|---------------|----------|
| Mounting type | slide-on |
|---------------|----------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27281105 |
| ECLASS-12.0 | 27281105 |
| ECLASS-13.0 | 27281105 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002248 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

### EF3.0 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.005 kg CO2e |
|---------|---------------|

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