

# PATG HF 4/30 VPE 1000 - Conductor marker carrier



1044271

<https://www.phoenixcontact.com/us/products/1044271>

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Conductor marker carrier, transparent/black, unlabeled, mounting type: slide-on, cable diameter range: 5 ... 10 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
- Can be used to mark conductors with a diameter of 0.6 mm ... 10 mm

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1044271             |
| Packing unit                         | 1,000 pc            |
| Minimum order quantity               | 1,000 pc            |
| Sales key                            | BG12                |
| Product key                          | BG221A              |
| Catalog page                         | Page 251 (C-3-2019) |
| GTIN                                 | 4055626620466       |
| Weight per piece (including packing) | 1.285 g             |
| Weight per piece (excluding packing) | 1.285 g             |
| Customs tariff number                | 39269097            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

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

### Data management status

|                  |    |
|------------------|----|
| Article revision | 02 |
|------------------|----|

### Dimensions

|                   |          |
|-------------------|----------|
| Width             | 6.4 mm   |
| Text field width  | 30.00 mm |
| Text field height | 4.00 mm  |
| Length            | 30 mm    |

### External dimensions

|                  |                |
|------------------|----------------|
| Outside diameter | 5 mm ... 10 mm |
|------------------|----------------|

### Material specifications

|                                                        |                                          |
|--------------------------------------------------------|------------------------------------------|
| Color                                                  | multicolored                             |
|                                                        | transparent                              |
|                                                        | black (RAL 9005)                         |
| Material                                               | TPU                                      |
| Flammability rating according to UL 94                 | V0                                       |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 2                              |
| 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 | 5 mm ... 10 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                     |

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|                                                   |                          |
|---------------------------------------------------|--------------------------|
| Specification                                     | ISO 175:2010 (following) |
| Test duration                                     | 168 h                    |
| 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                                                                                                 |

## 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 8.0 | EC001530 |
|----------|----------|

### 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% |

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