

## Diode block - EMG 45-DIO 8P-1N5408 - 2954879

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Diode module, with eight diodes, common cathode, diode type 1N 5408

### Your advantages

- ✓ Spark-suppression diodes for limiting surge voltages of inductive loads
- ✓ Electrical decoupling of messages in fault reporting systems



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 5 pc  |
| GTIN                                 | <br>4 017918 085155 |
| GTIN                                 | 4017918085155   |
| Weight per Piece (excluding packing) | 91.580 g  |
| Custom tariff number                 | 85411000  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|        |       |
|--------|-------|
| Width  | 45 mm |
| Height | 75 mm |
| Depth  | 55 mm |

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |

#### General

|                                |          |
|--------------------------------|----------|
| Diode type                     | 1 N 5408 |
| Peak reverse voltage per diode | 1000 V   |
| Reverse current per diode      | 10 µA    |

# Diode block - EMG 45-DIO 8P-1N5408 - 2954879

## Technical data

### General

|                                    |                                 |
|------------------------------------|---------------------------------|
| Conducting state voltage per diode | approx. 0.8 V                   |
| Conducting state current per diode | 1.5 A (with single load)        |
|                                    | 0.3 A (with simultaneous loads) |
| Mounting position                  | any                             |
| Assembly instructions              | In rows with zero spacing       |

### Connection data

|                                  |   |
|----------------------------------|---|
| Connection method                | Screw connection                            |
| Stripping length                 | 8 mm  |
| Screw thread                     | M3  |
| Conductor cross section solid    | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross section flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 24 ... 12                                   |

### Standards and Regulations

|                       |              |
|-----------------------|--------------|
| Standards/regulations | DIN EN 50178 |
| Pollution degree      | 2            |

### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250300 |
| eCl@ss 4.1 | 27260800 |
| eCl@ss 5.0 | 27371000 |
| eCl@ss 5.1 | 27371000 |
| eCl@ss 6.0 | 27371000 |
| eCl@ss 7.0 | 27371010 |
| eCl@ss 8.0 | 27371010 |
| eCl@ss 9.0 | 27371010 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000683 |
| ETIM 5.0 | EC000683 |
| ETIM 6.0 | EC000683 |
| ETIM 7.0 | EC000683 |

## Diode block - EMG 45-DIO 8P-1N5408 - 2954879

### Classifications

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211506 |
| UNSPSC 7.0901 | 39121008 |
| UNSPSC 11     | 39121008 |
| UNSPSC 12.01  | 39121008 |
| UNSPSC 13.2   | 32151504 |
| UNSPSC 18.0   | 32151504 |
| UNSPSC 19.0   | 32151504 |
| UNSPSC 20.0   | 32151504 |
| UNSPSC 21.0   | 32151504 |

### Approvals

#### Approvals

---


Approvals

EAC

---

Ex Approvals

#### Approval details

|     |   |                     |
|-----|---|---------------------|
| EAC |  | RU*DE*08.B.01841/19 |
|-----|---|---------------------|

### Accessories

#### Accessories

Marking material - EMG-GKS 12 - 2947035



Device marking label, width: 12 mm, area: 12 x 8 mm, e.g. for EML(10x7) R adhesive marking material