

# EMG 22-DIO 4P-1N5408 - Diode block



2952198

<https://www.phoenixcontact.com/us/products/2952198>

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Diode module, with four 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

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2952198             |
| Packing unit                         | 10 pc               |
| Minimum order quantity               | 10 pc               |
| Sales key                            | C440                |
| Product key                          | CK4M11              |
| Catalog page                         | Page 266 (C-5-2019) |
| GTIN                                 | 4017918084363       |
| Weight per piece (including packing) | 46.36 g             |
| Weight per piece (excluding packing) | 46.36 g             |
| Customs tariff number                | 85411000            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|              |              |
|--------------|--------------|
| Product type | Diode module |
|--------------|--------------|

### Insulation characteristics

|                  |   |
|------------------|---|
| Pollution degree | 2 |
|------------------|---|

### Input data

#### Diode

|                                    |   |
|------------------------------------|---|
| Description of the input           | 4 diodes, common cathode                                  |
| Diode type                         | 1 N 5408  |
| Max. operating voltage $U_{max}$   | 250 V AC  |
| Peak reverse voltage per diode     | 1000 V  |
| Reverse current per diode          | 10 $\mu$ A  |
| Conducting state voltage per diode | approx. 0.8 V   |
| Conducting state current per diode | 1.5 A (with single load)<br>1 A (with simultaneous loads) |

### Connection data

|                                  |   |
|----------------------------------|---|
| Connection method                | Screw connection                            |
| Stripping length                 | 8 mm  |
| Screw thread                     | M3  |
| Conductor cross section rigid    | 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                                   |

### Dimensions

|        |         |
|--------|---------|
| Width  | 22.5 mm |
| Height | 75 mm   |
| Depth  | 55 mm   |

### Material specifications

|       |                  |
|-------|------------------|
| Color | green (RAL 6021) |
|-------|------------------|

### Environmental and real-life conditions

#### Ambient conditions

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

### Approvals

#### CE

|             |              |
|-------------|--------------|
| Certificate | CE-compliant |
|-------------|--------------|

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|      |              |
|------|--------------|
| Note | and EN 61326 |
|------|--------------|

## Standards and regulations

|                       |              |
|-----------------------|--------------|
| Standards/regulations | DIN EN 50178 |
|-----------------------|--------------|

## Mounting

|                       |                           |
|-----------------------|---------------------------|
| Mounting type         | DIN rail mounting         |
| Assembly instructions | in rows with zero spacing |
| Mounting position     | any                       |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27371010 |
| ECLASS-12.0 | 27371010 |
| ECLASS-13.0 | 27371010 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002278 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 32151500 |
|-------------|----------|

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## Environmental product compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1   |
| China RoHS | Environmentally Friendly Use Period = 50 years   |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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