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

2952790

https://www.phoenixcontact.com/us/products/2952790

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 documentation. Our general terms of use for downloads are valid.



Diode module, with 4 diodes, individually wired, diode type 1N 5408

## Your advantages

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

## Commercial data

| | |
|---|---|
| Item number | 2952790 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | C440 |
| Product key | DK66M1 |
| GTIN | 4017918084486 |
| Weight per piece (including packing) | 46.9 g |
| Weight per piece (excluding packing) | 47.25 g |
| Customs tariff number | 85411000 |
| Country of origin | DE |

## Technical data

### Product properties

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

Insulation characteristics

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

### Input data

Diode

| | |
|---|---|
| Description of the input | 4 diodes, individually connected |
| 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 µA |
| Conducting state voltage per diode | approx. 0.8 V |
| Conducting state current per diode | 1.5 A (with single load) |
| | 1 A (with simultaneous loads) |

### Connection data

| | |
|---|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| 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 |

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

## Standards and regulations

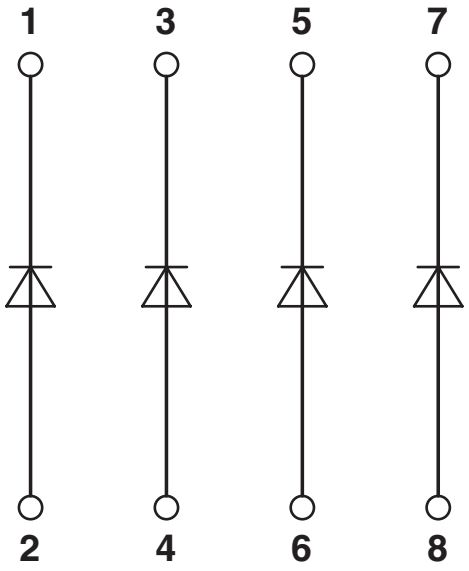
| | |
|---|---|
| Standards/regulations | DIN EN 50178 |

## Mounting

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

## Drawings

Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2952790

**EAC**
Approval ID: RU*DE*08.B.01841/19

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27371010 |
| ECLASS-15.0 | 27371010 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC000683 |

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c), 7(a) |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | cc9fc66c-ac0d-41ca-b348-fe7b93ab8836 |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.599 kg CO2e |


Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com



Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com