

## Diode block - EMG 45-DIO14P - 2950116

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Diode module, for extension with 14 1N 4007 diodes, with a common cathode


The illustration shows a combination of versions EMG 22-DIO 7 P, EMG 45-DIO14 P and EMG 90-DIO 32 P

### Why buy this product

- 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 083960 |
| Weight per Piece (excluding packing) | 90.46 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 4007 |
| Max. operating voltage | 250 V AC |

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## Technical data

### General

|                                    |   |
|------------------------------------|---|
| Peak reverse voltage per diode     | 1300 V                                  |
| Reverse current per diode          | 5 µA                                    |
| Conducting state voltage per diode | approx. 0.8 V                           |
| Conducting state current per diode | 0.7 A (with single load)                |
|                                    | 0.2 A (with simultaneous loads)         |
| Surge voltage category             | III, basic insulation (as per EN 50178) |
| Mounting position                  | any                                     |
| Assembly instructions              | In rows with zero spacing               |

### Connection data

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

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250312 |
| eCl@ss 4.1 | 27260801 |
| eCl@ss 5.0 | 27260801 |
| eCl@ss 5.1 | 27260801 |
| eCl@ss 6.0 | 27242602 |
| eCl@ss 7.0 | 27242602 |
| eCl@ss 8.0 | 27242602 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001432 |
| ETIM 3.0 | EC001597 |
| ETIM 4.0 | EC001597 |
| ETIM 5.0 | EC001596 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211506 |
| UNSPSC 7.0901 | 39121008 |
| UNSPSC 11     | 39121008 |
| UNSPSC 12.01  | 39121008 |

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121008 |
|-------------|----------|

## Approvals

### Approvals

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### Approvals

### GOST

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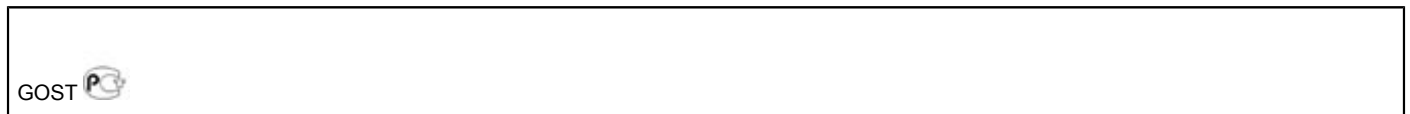
### Ex Approvals

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### Approvals submitted

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## Approval details



## Accessories

### Accessories

Marking material - EMG-GKS 12 - 2947035



Equipment marker, width 12 mm

## Drawings

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Circuit diagram

