

# Diode block - EMG 45-DIO14M - 2950129

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Diode module, with 14 diodes, common anode, diode type 1N 4007

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

## Product Features

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



## Key commercial data

package_quantity	5
GTIN	4017918083977

## 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
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)
Conducting state current per diode	0.2 A (with simultaneous loads)
Surge voltage category	III, basic insulation (as per EN 50178)

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## Technical data

### General

<b>Mounting position</b>	Any
<b>Assembly instructions</b>	In rows with zero spacing

### Connection data

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

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27250312
<b>eCl@ss 4.1</b>	27260801
<b>eCl@ss 5.0</b>	27260801
<b>eCl@ss 5.1</b>	27260801
<b>eCl@ss 6.0</b>	27242602
<b>eCl@ss 7.0</b>	27242602
<b>eCl@ss 8.0</b>	27242602

### ETIM

<b>ETIM 2.0</b>	EC001432
<b>ETIM 3.0</b>	EC001597
<b>ETIM 4.0</b>	EC001597
<b>ETIM 5.0</b>	EC001596

### UNSPSC

<b>UNSPSC 6.01</b>	30211506
<b>UNSPSC 7.0901</b>	39121008
<b>UNSPSC 11</b>	39121008
<b>UNSPSC 12.01</b>	39121008
<b>UNSPSC 13.2</b>	39121008

## approvals

GOST /

### Approval details

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approvals



accessories

EMG-GKS 12 - 2947035



## Drawings

Circuit diagram

