

# Diode block - EMG 22-DIO 7M - 2950077

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Diode module, with 7 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

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



## Key commercial data

<b>package_quantity</b>	10
<b>GTIN</b>	4017918083946

## Technical data

### Dimensions

<b>Width</b>	22.5 mm
<b>Height</b>	75 mm
<b>Depth</b>	55 mm

### Ambient conditions

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

### General

<b>Diode type</b>	1 N 4007
<b>Max. operating voltage</b>	250 V AC
<b>Peak reverse voltage per diode</b>	1300 V
<b>Reverse current per diode</b>	5 µA
<b>Conducting state voltage per diode</b>	approx. 0.8 V
<b>Conducting state current per diode</b>	0.7 A (with single load)
<b>Conducting state current per diode</b>	0.5 A (with simultaneous loads)
<b>Surge voltage category</b>	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>	27371010
<b>eCl@ss 8.0</b>	27371010

### 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

## Diode block - EMG 22-DIO 7M - 2950077

approvals



accessories

EMG-GKS 12 - 2947035



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Drawings

# Diode block - EMG 22-DIO 7M - 2950077

Circuit diagram

