

## 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

Packing unit	1 pc
GTIN	 4 017918 083946
Weight per Piece (excluding packing)	46.03 g
Custom tariff number	85411000
Country of origin	Germany

### Technical data

#### Dimensions

Width	22.5 mm
Height	75 mm
Depth	55 mm

#### Ambient conditions

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

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### Technical data

#### 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) 0.5 A (with simultaneous loads)
Overvoltage 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 flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Stripping length	8 mm
Screw thread	M3
Connection method	Screw connection

#### Standards and Regulations

Low Voltage Directive	Conformance with LV directive 2006/95/EC
Conformance	CE-compliant

### 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	27371010
eCl@ss 8.0	27371010

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## Classifications

### ETIM

ETIM 2.0	EC001432
ETIM 3.0	EC001597
ETIM 4.0	EC001597
ETIM 5.0	EC000683

### UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

## Approvals

### Approvals

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### Approvals

### EAC

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### Ex Approvals

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### Approvals submitted

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### Approval details

EAC
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## Drawings

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Circuit diagram

