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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



# 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 μΑ	
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 mm²
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm²
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 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



# 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

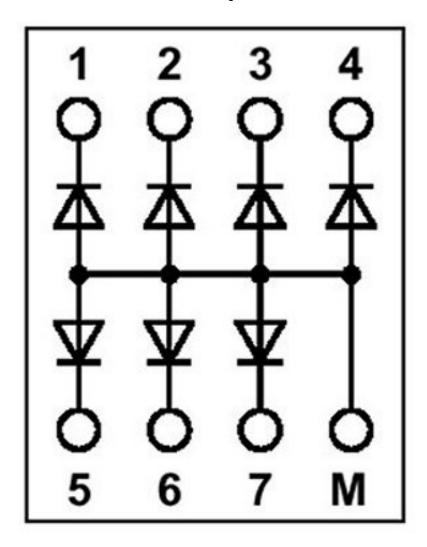
Approvals	
Approvals	
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EAC	
Ex Approvals	
Approvals submitted	
Approval details	

# Drawings

EAC



Circuit diagram



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