

## Diode block - EMG 22-DIO 7P - 2950064

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Diode module, for extension with 7 1N 4007 diodes, 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

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



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 083939
GTIN	4017918083939
Weight per Piece (excluding packing)	45.160 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
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# Diode block - EMG 22-DIO 7P - 2950064

## Technical data

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
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### 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)
Standards/specifications	DIN EN 50178
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 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section flexible min.	0.2 mm²
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

Standards/regulations	DIN EN 50178
Low Voltage Directive	2014/35/EG
Conformance	CE-compliant

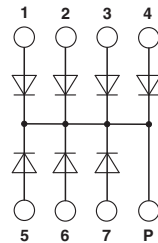
### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

## Diode block - EMG 22-DIO 7P - 2950064

Circuit diagram



### Classifications

#### eCl@ss

eCl@ss 5.1	27371010
eCl@ss 6.0	27371010
eCl@ss 7.0	27371010
eCl@ss 8.0	27371010
eCl@ss 9.0	27371010

#### ETIM

ETIM 4.0	EC000683
ETIM 5.0	EC000683
ETIM 6.0	EC000683

#### UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	32151504

### Approvals

#### Approvals

Approvals

EAC

Ex Approvals

## Diode block - EMG 22-DIO 7P - 2950064

### Approvals

#### Approval details

EAC		EAC-Zulassung
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### Accessories

#### Accessories

#### Marking material - EMG-GKS 12 - 2947035



Equipment marker, width 12 mm