

# EMG 22-DIO 4E - Diode block

2950048

<https://www.phoenixcontact.com/us/products/2950048>

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Diode module, with 4 diodes, individually wired, diode type 1N 4007



## Your advantages

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

## Commercial data

Item number	2950048
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	C440
Product key	DK66M1
GTIN	4017918083922
Weight per piece (including packing)	45.18 g
Weight per piece (excluding packing)	45.18 g
Customs tariff number	85411000
Country of origin	DE

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## Technical data

### Product properties

Product type	Diode module
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### Insulation characteristics

Pollution degree	2
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### Input data

#### Diode

Description of the input	4 diodes, individually connected
Diode type	1 N 4007
Max. operating voltage $U_{max}$	250 V AC
Peak reverse voltage per diode	1300 V
Reverse current per diode	5 $\mu$ A
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)

### Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

### Dimensions

Width	22.5 mm
Height	75 mm
Depth	55 mm

### Material specifications

Color	green (RAL 6021)
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### Environmental and real-life conditions

#### Ambient conditions

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

### Approvals

#### CE

Certificate	CE-compliant
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Note	and EN 61326
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## Standards and regulations

Standards/regulations	DIN EN 50178
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## Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

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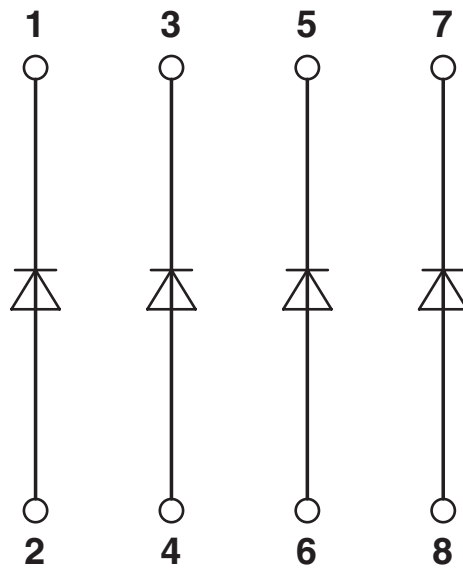
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## Drawings

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2950048>



**EAC**

Approval ID: RU\*DE\*08.B.01841/19

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## Classifications

### ECLASS

ECLASS-13.0	27371010
ECLASS-15.0	27371010

### ETIM

ETIM 10.0	EC002878
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### UNSPSC

UNSPSC 21.0	32151500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	9a8a7640-8c0d-4cf8-8ff0-2d5a5d6eeaf9

### EF3.1 Climate Change

CO2e kg	0.57 kg CO2e
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)