

# EMG 90-DIO 17E - Diode block

2954895

<https://www.phoenixcontact.com/us/products/2954895>

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Diode module, with 17 diodes, individually wired, diode type 1N 4007

## Your advantages

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

## Commercial data

Item number	2954895
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	C440
Product key	DK66M1
GTIN	4017918085179
Weight per piece (including packing)	166.34 g
Weight per piece (excluding packing)	166.34 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	17 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	90 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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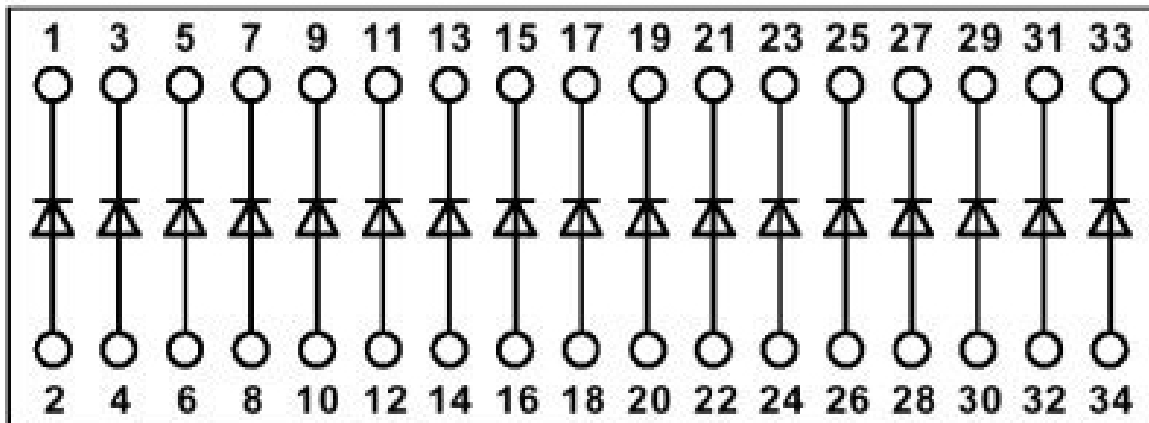


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## Drawings

### Circuit diagram



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## Approvals

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**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	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	1afb451c-0075-4e6d-a550-51c8316e7542

### EF3.1 Climate Change

CO2e kg	1.944 kg CO2e
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