

# EMG 45-DIO 8E - Diode block

2950103

<https://www.phoenixcontact.com/us/products/2950103>



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Diode module, with 8 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	2950103
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C440
Product key	CK4M11
Catalog page	Page 266 (C-5-2019)
GTIN	4017918083953
Weight per piece (including packing)	85.88 g
Weight per piece (excluding packing)	85.88 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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### Input data

#### Diode

Description of the input	8 diodes, individually wired
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	45 mm
Height	75 mm
Depth	55 mm

### 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
Note	and EN 61326

### Standards and regulations

Standards/regulations	DIN EN 50178
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### Mounting

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

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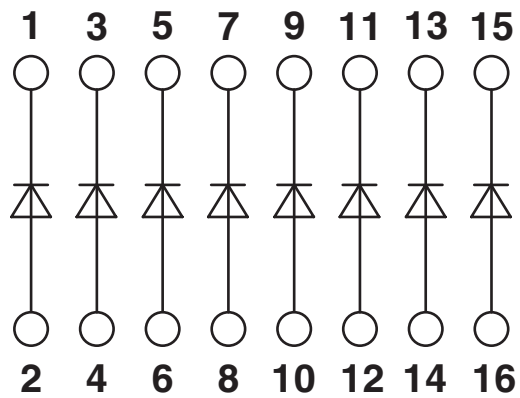
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## Drawings

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-11.0	27371010
ECLASS-12.0	27371010
ECLASS-13.0	27371010

### ETIM

ETIM 8.0	EC000683
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### UNSPSC

UNSPSC 21.0	32151500
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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## Accessories

### EMG-GKS 12 - Marking material

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Device marking label, width: 12 mm, area: 12 x 8 mm, e.g. for EML(10x7) R adhesive marking material

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