

## Diode block - EMG 45-DIO 8E - 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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 083953
GTIN	4017918083953
Weight per Piece (excluding packing)	87.320 g
Custom tariff number	85411000
Country of origin	Germany

### Technical data

#### Dimensions

Width	45 mm
Height	75 mm
Depth	55 mm

#### Ambient conditions

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

#### General

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### Technical data

#### General

Diode type	1 N 4007
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)
Mounting position	any
Assembly instructions	In rows with zero spacing

#### Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	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

#### Standards and Regulations

Standards/regulations	DIN EN 50178
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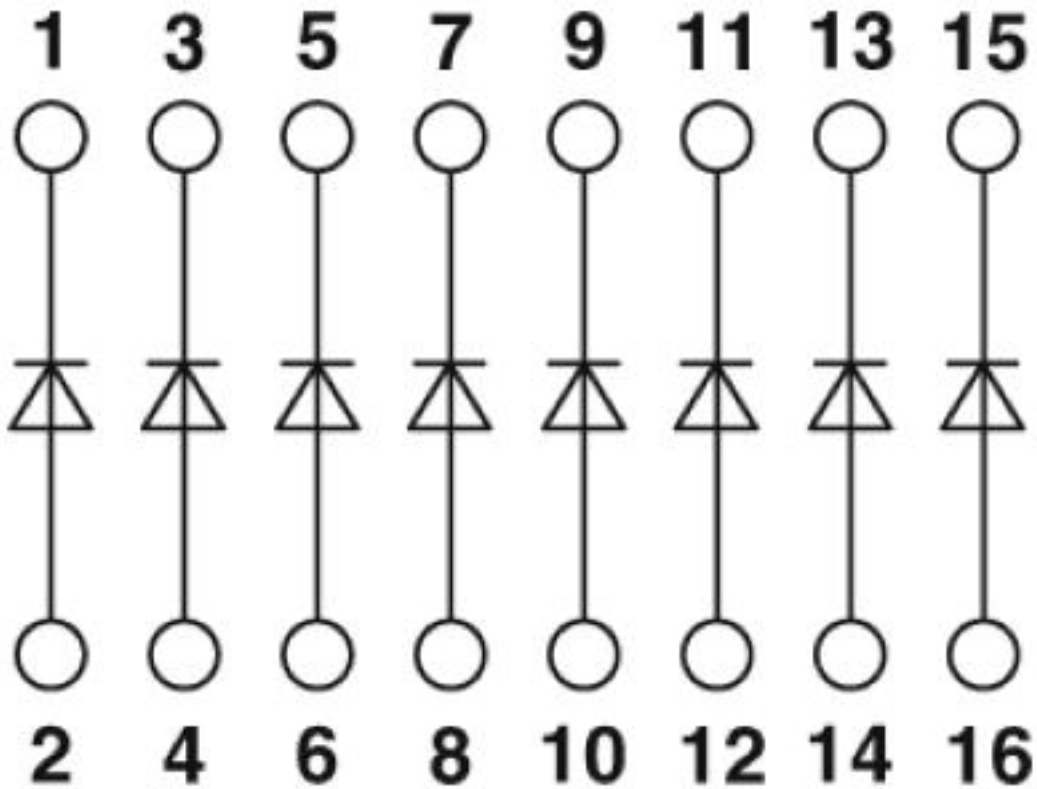
#### Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

# Diode block - EMG 45-DIO 8E - 2950103

Circuit diagram



## Classifications

eCl@ss

eCl@ss 4.0	27250300
eCl@ss 4.1	27260800
eCl@ss 5.0	27371000
eCl@ss 5.1	27371000
eCl@ss 6.0	27371000
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

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

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### Classifications

#### ETIM

ETIM 7.0	EC000683
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#### UNSPSC

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

### Approvals

#### Approvals

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#### Approvals

#### EAC

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#### Ex Approvals

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#### Approval details

EAC		RU C- DE.A*30.B.01082
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