

EMG 45-DIO14P - Diode block

2950116

<https://www.phoenixcontact.com/us/products/2950116>



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Diode module, for extension with 14 1N 4007 diodes, with a common cathode



Your advantages

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

Commercial data

Item number	2950116
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	C440
Product key	CK4M11
Catalog page	Page 266 (C-5-2019)
GTIN	4017918083960
Weight per piece (including packing)	88.56 g
Weight per piece (excluding packing)	88.56 g
Customs tariff number	85411000
Country of origin	DE

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Technical data

Product properties

Product type	Diode module
Insulation characteristics	
Pollution degree	2

Input data

Diode	
Description of the input	14 diodes, common cathodes
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 μ A
Conducting state voltage per diode	approx. 0.8 V
Conducting state current per diode	0.7 A (with single load) 0.2 A (with simultaneous loads)

Connection data

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

Dimensions

Width	45 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

Standards and regulations

Standards/regulations

DIN EN 50178

Mounting

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

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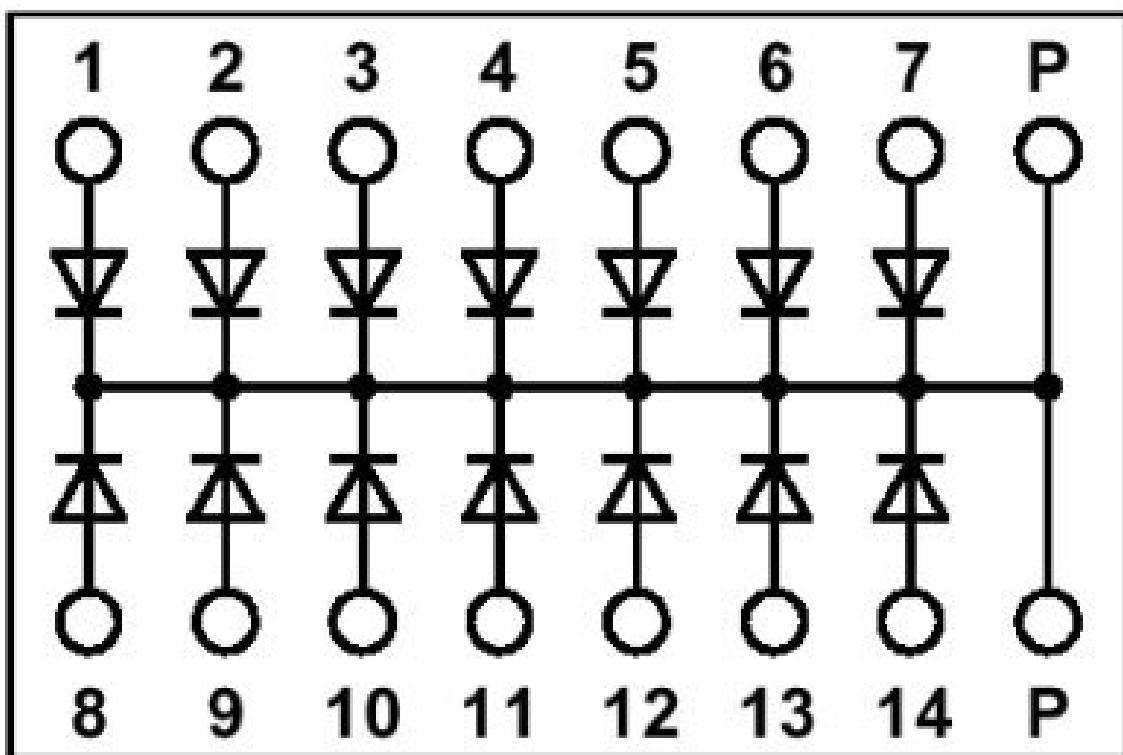
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Drawings

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-11.0	27371010
ECLASS-12.0	27371010
ECLASS-13.0	27371010

ETIM

ETIM 9.0	EC000683
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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	5680e957-4b63-4ca9-857c-8aa362c0ee87

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