

EMG 45-DIO14M - Diode block



2950129

<https://www.phoenixcontact.com/in/products/2950129>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Diode module, with 14 diodes, common anode, 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	2950129
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	CK4
Product key	CK4M11
Catalog page	Page 266 (C-5-2019)
GTIN	4017918083977
Weight per piece (including packing)	88.16 g
Weight per piece (excluding packing)	88.16 g
Customs tariff number	85411000
Country of origin	DE

EMG 45-DIO14M - Diode block

2950129

<https://www.phoenixcontact.com/in/products/2950129>



Technical data

Product properties

Product type	Diode module
Insulation characteristics	
Pollution degree	2

Input data

Diode	
Description of the input	14 diodes, common anode
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)
-------	------------------

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

EMG 45-DIO14M - Diode block



2950129

<https://www.phoenixcontact.com/in/products/2950129>

Note	and EN 61326
------	--------------

Standards and regulations

Standards/regulations	DIN EN 50178
-----------------------	--------------

Mounting

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

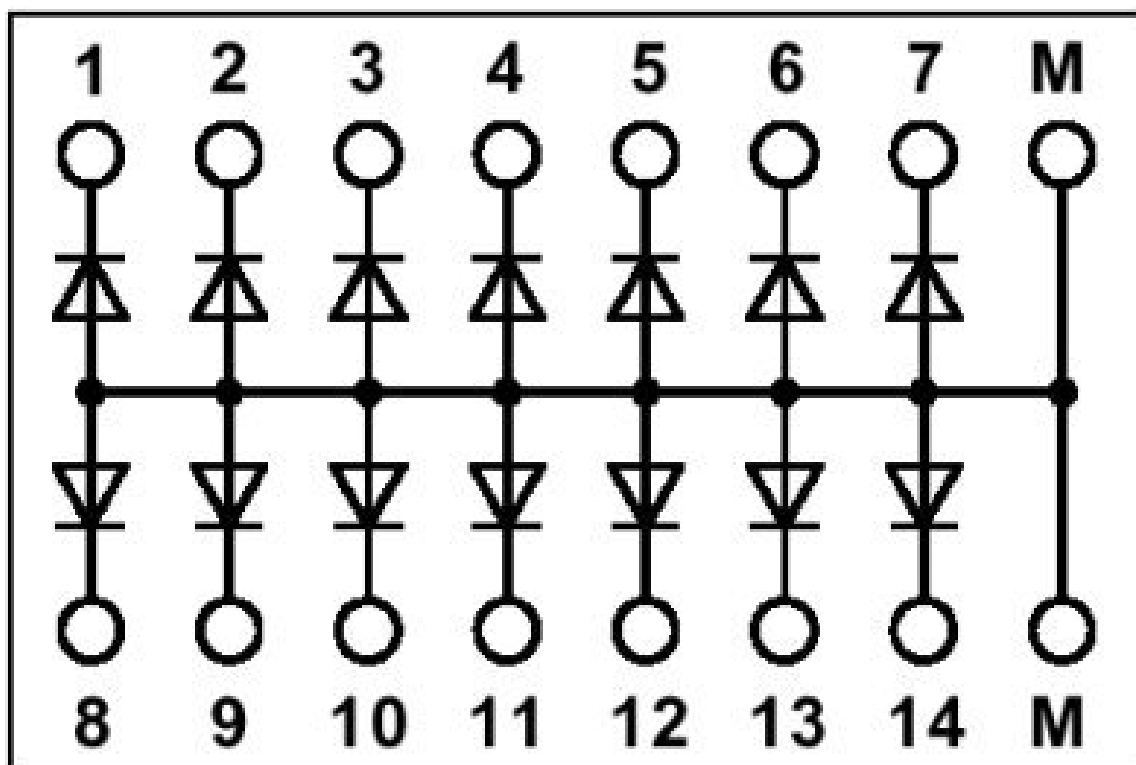
EMG 45-DIO14M - Diode block

2950129

<https://www.phoenixcontact.com/in/products/2950129>

Drawings

Circuit diagram



EMG 45-DIO14M - Diode block

2950129

<https://www.phoenixcontact.com/in/products/2950129>



Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/2950129>



EAC

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

EMG 45-DIO14M - Diode block



2950129

<https://www.phoenixcontact.com/in/products/2950129>

Classifications

ECLASS

ECLASS-11.0	27371010
ECLASS-12.0	27371010
ECLASS-13.0	27371010

ETIM

ETIM 9.0	EC002278
----------	----------

UNSPSC

UNSPSC 21.0	32151500
-------------	----------

EMG 45-DIO14M - Diode block

2950129

<https://www.phoenixcontact.com/in/products/2950129>



Environmental product compliance

EU RoHS

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

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	1ffd2a68-603d-4c8c-b39c-05cdf0844bad

EMG 45-DIO14M - Diode block



2950129

<https://www.phoenixcontact.com/in/products/2950129>

Accessories

EMG-GKS 12 - Marking material

2947035

<https://www.phoenixcontact.com/in/products/2947035>



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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in