

EMG 45-DIO14P - Diode block

2950116

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

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, 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	DK66M1
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

EMG 45-DIO14P - Diode block



2950116

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

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)
-------	------------------

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-DIO14P - Diode block



2950116

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

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

EMG 45-DIO14P - Diode block

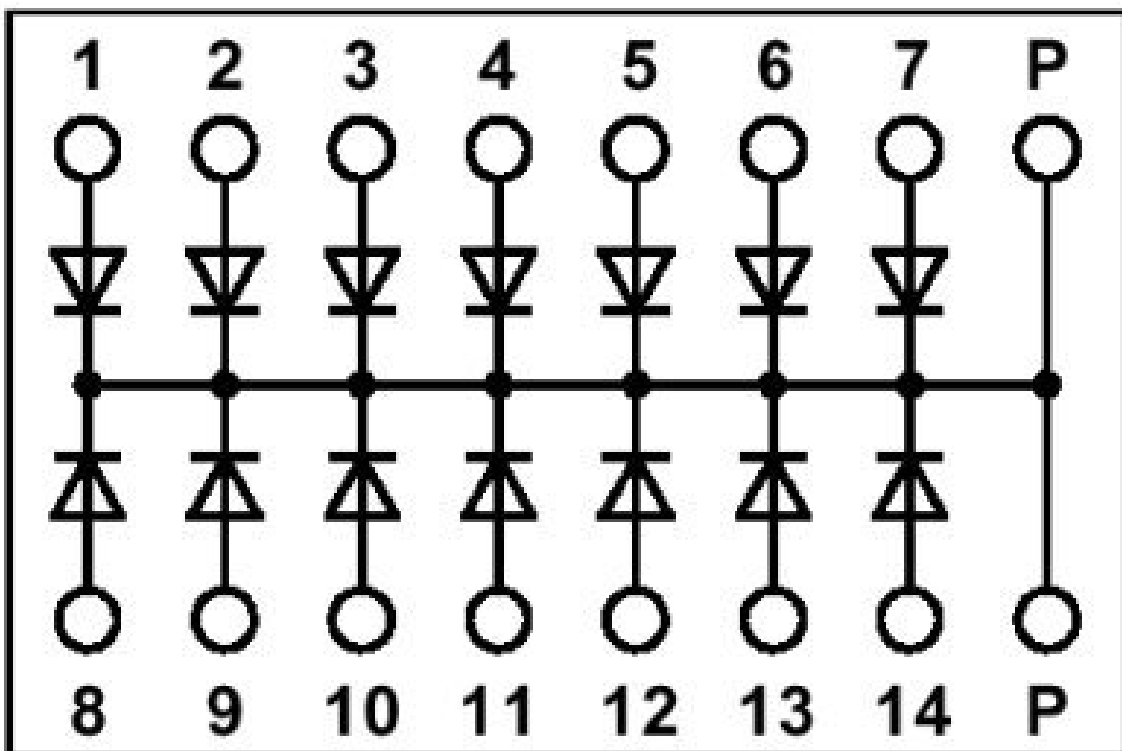


2950116

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

Drawings

Circuit diagram



EMG 45-DIO14P - Diode block



2950116

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

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2950116>



EAC

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

EMG 45-DIO14P - Diode block



2950116

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

Classifications

ECLASS

ECLASS-13.0	27371010
ECLASS-15.0	27371010

ETIM

ETIM 10.0	EC000683
-----------	----------

UNSPSC

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

EMG 45-DIO14P - Diode block



2950116

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

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	5680e957-4b63-4ca9-857c-8aa362c0ee87

EF3.1 Climate Change

CO2e kg	1.202 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com