

Diode block - EMG 45-DIO14P - 2950116

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


The illustration shows a combination of versions EMG 22-DIO 7 P, EMG 45-DIO14 P and EMG 90-DIO 32 P

Why buy this product

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



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 083960
GTIN	4017918083960
Weight per Piece (excluding packing)	88.080 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
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Technical data

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
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General

Diode type	1 N 4007
Max. operating voltage	250 V AC
Peak reverse voltage per diode	1300 V
Reverse current per diode	5 µA
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)
Standards/specifications	DIN EN 50178
Overvoltage category	III, basic insulation (as per EN 50178)
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Stripping length	8 mm
Screw thread	M3
Connection method	Screw connection

Standards and Regulations

Standards/regulations	DIN EN 50178
Low Voltage Directive	2014/35/EG
Conformance	CE-compliant

Environmental Product Compliance

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

Classifications

eCl@ss

eCl@ss 5.1	27371010
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Classifications

eCl@ss

eCl@ss 6.0	27371010
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

UNSPSC

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

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		EAC-Zulassung
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Accessories

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Accessories

Marking material - EMG-GKS 12 - 2947035



Equipment marker, width 12 mm