

# Diode block - EMG 22-DIO 4P-1N5408 - 2952198

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Diode module, with four diodes, common cathode, diode type 1N 5408

The illustration shows version EMG 22-DIO 4E

## Product Features

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



## Key commercial data

<b>package_quantity</b>	10
<b>GTIN</b>	4017918084363

## Technical data

### Dimensions

<b>Width</b>	22.5 mm
<b>Height</b>	75 mm
<b>Depth</b>	55 mm

### Ambient conditions

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

### General

<b>Diode type</b>	1 N 5408
<b>Max. operating voltage</b>	250 V AC
<b>Peak reverse voltage per diode</b>	1000 V
<b>Reverse current per diode</b>	10 µA
<b>Conducting state voltage per diode</b>	approx. 0.8 V
<b>Conducting state current per diode</b>	1.5 A (with single load)
<b>Conducting state current per diode</b>	1 A (with simultaneous loads)
<b>Surge voltage category</b>	III, basic insulation (as per EN 50178)
<b>Mounting position</b>	Any
<b>Assembly instructions</b>	In rows with zero spacing

# Diode block - EMG 22-DIO 4P-1N5408 - 2952198

## Technical data

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	8 mm
Screw thread	M3
Connection method	Screw connection

## classifications

### eCl@ss

eCl@ss 4.0	27250312
eCl@ss 4.1	27260801
eCl@ss 5.0	27260801
eCl@ss 5.1	27260801
eCl@ss 6.0	27242602
eCl@ss 7.0	27242602
eCl@ss 8.0	27242602

### ETIM

ETIM 2.0	EC001432
ETIM 3.0	EC001597
ETIM 4.0	EC001597
ETIM 5.0	EC001596


### UNSPSC

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

## approvals

GOST /

### Approval details


---

## Diode block - EMG 22-DIO 4P-1N5408 - 2952198

accessories

EMG-GKS 12 - 2947035



---

### Drawings

© Phoenix Contact 2013 - all rights reserved  
<http://www.phoenixcontact.com>