

## EMG 45-NZG/G24/SI

Order No.: 2954989

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2954989>

Voltage regulator module with fixed-voltage regulator, input 24 V-29 V  
AC/ 28 V-38 V DC, output 24 V DC/1 A

### Commercial data

EAN	4017918085223
Pack	1 pcs.
Customs tariff	85044081
Weight/Piece	0.2003 KG

### Product notes

WEEE/RoHS-compliant since:  
04/01/2007



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www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
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### Technical data

#### Input data

Nominal input voltage	27 V AC 5%
	28 V DC ... 38 V DC
AC frequency range	60 Hz ... 50 Hz

Nominal power consumption	Approx. 41 VA
Input fuse	1.25 A (normal-blow (5 x 20))

#### Output data

Nominal output voltage	24 V DC $\pm 4\%$
Output current	1 A
Residual ripple	$\leq 150 \text{ mV}_{\text{PP}}$
Name of protection	Thermo-electronic disconnect
Protective circuit/component	Varistor

#### General data

Width	45 mm
Height	86 mm
Depth	75 mm
Weight	178 g
Operating voltage display	LED green
Operating mode	100% operating factor
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Mounting position	Vertical, horizontal
Assembly instructions	Can be aligned with spacing = 5 mm

#### Connection data, input

Type of connection	Screw connection
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	14
Stripping length	8 mm
Screw thread	M3

#### Connection data, output

Type of connection	Screw connection
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	14
Stripping length	8 mm

**Certificates / Approvals**



Certification GOST, UL

**UL**

Comments	Input
Nominal voltage U <sub>N</sub>	27 V
Nominal current I <sub>N</sub>	1.52 A
Comments	Output
Nominal voltage U <sub>N</sub>	24 V
Nominal current I <sub>N</sub>	1 A

**Accessories**

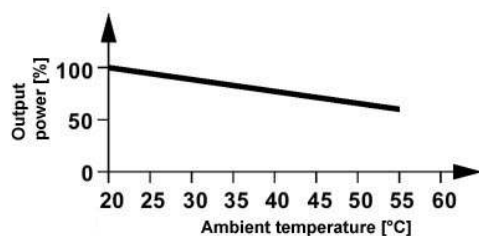
Item	Designation	Description
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**Marking**

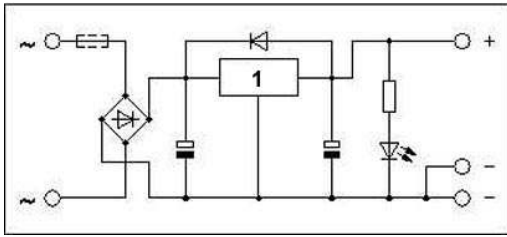
2947035	EMG-GKS 12	Equipment marker, width 12 mm
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**Diagrams/Drawings**

Diagram



Circuit diagram



1 = regulator

**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



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