

# EMG 45-NZG/G12/SI

Order No.: 2954976




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2954976>

Voltage regulator module with fixed-voltage regulator, input 16 V-21 V AC/19 V-30 V DC, output 12 V DC/1 A



## Commercial data

GTIN (EAN)	 4 017918 117863
Note	Made-to-order
sales group	H093
Pack	1 pcs.
Customs tariff	85044082

## Product notes

WEEE/RoHS-compliant since:  
10/26/2006



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## Technical data

### Input data

Nominal input voltage	18 V AC 10%
	19 V DC ... 25 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	12 V DC $\pm$ 4%
Output current	1 A
Residual ripple	$\leq$ 150 mV <sub>pp</sub>
Type of protection	Thermo-electronic disconnect
Protective circuit/component	Varistor

#### General data

Width	45 mm
Height	86 mm
Depth	75 mm
Net weight	178 g
Operating voltage display	Green LED
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

**Accessories**

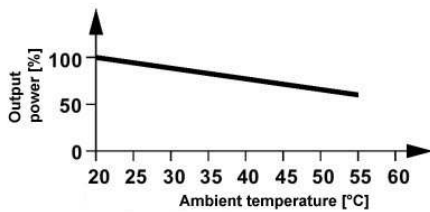
Item	Designation	Description
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**Marking**

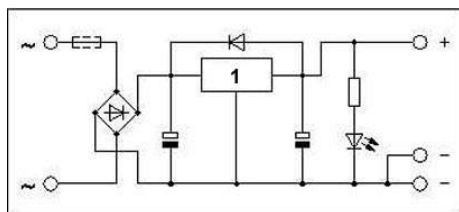
2947035	EMG-GKS 12	Equipment marker, width 12 mm
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**Diagrams/Drawings**

Diagram



Circuit diagram



1 = regulator

**Address**

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