

EMG 30-NZG/G24/SI - Power supply unit



2943932

<https://www.phoenixcontact.com/nz/products/2943932>

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Voltage regulator module with fixed-voltage regulator, input 24 V-29 V AC/ 28 V-38 V DC, output 24 V DC/0.5 A

Commercial data

Item number	2943932
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CMPL93
Product key	CMPL93
GTIN	4017918081409
Weight per piece (including packing)	115 g
Weight per piece (excluding packing)	115 g
Country of origin	DE

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Technical data

Product properties

Operating mode	100% operating factor
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Input data

Input voltage	27 V AC 5 %
Nominal input voltage range	27 V AC ... 28.4 V AC
AC frequency range	60 Hz ... 50 Hz
Nominal power consumption	approx. 20 VA
Input fuse	0.63 A (normal-blow (5 x 20))

Output data

Nominal output voltage	24 V DC ± 4 %
Nominal output current (I_N)	0.5 A
Residual ripple	≤ 60 mV _{PP}
Protective circuit	Thermo-electronic disconnect; Varistor

Connection data

Input

Connection method	Screw connection
Conductor cross section, rigid min.	0.2 mm ²
Conductor cross section, rigid max.	4 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Stripping length	8 mm
Screw thread	M3

Output

Connection method	Screw connection
Conductor cross section, rigid min.	0.2 mm ²
Conductor cross section, rigid max.	4 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Stripping length	8 mm
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Signaling

Operating voltage display	Green LED
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Dimensions

Width	32 mm
Height	67.1 mm
Depth	75 mm

Environmental and real-life conditions

Ambient conditions

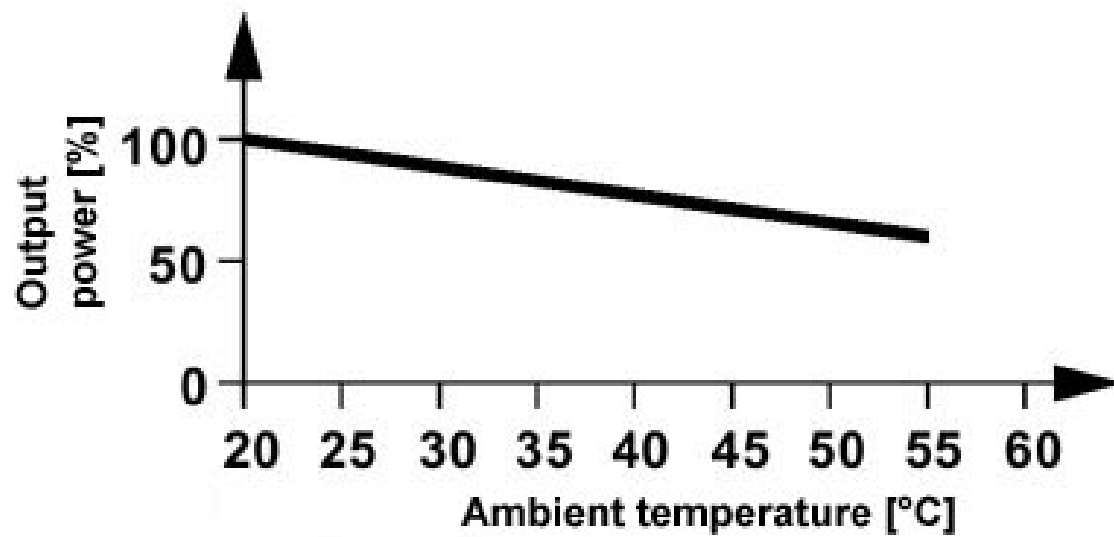
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C

Mounting

Assembly note	Can be aligned with spacing = 5 mm
Mounting position	vertical, horizontal

Drawings

Diagram

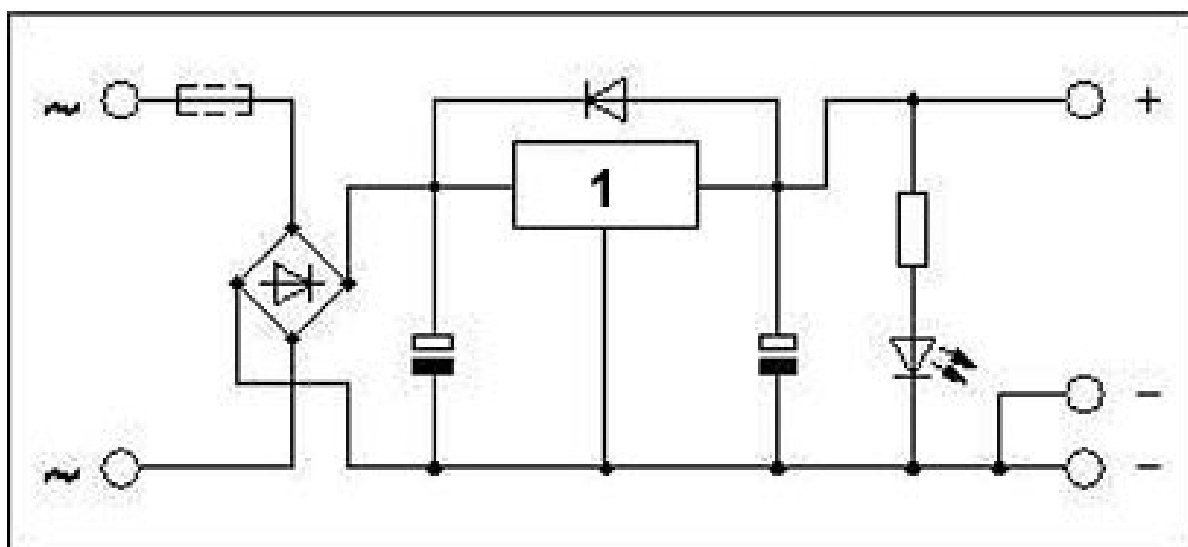


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Circuit diagram



1 = regulator

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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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