AGC-25 series

25W Constant Current Power Supply

GLP® GLOBAL LEADER POWER

■ Features:

- Constant current design
- European AC input range
- Protections: Short circuit / Over Temperature
- Cooling by free air convection
- Isolation class II
- Double insulation of Input and output wires
- IP40 Protection level

tc: 90°C
ta: 40°C
CONSTANT CURRENT

IP40

◎ELECTRICAL SPECIFICATION

MODEL	AGC-25-500					
OUTPUT						
No Load Voltage (max.)	58V					
Rated Current	500mA					
Voltage Range	25 ÷ 50V					
Rated Power	25W					
Voltage Ripple & Noise (max.) [2]	$120mV_{P-P}$					
Current Ripple (max.)	$30mA_{P-P}$					
Line Regulation	± 2%					
Load Regulation	± 9%					
Current Accuracy	± 8%					
Setup, Rise Time [3]	400ms, 90ms / 230VAC at full load					
Hold up Time (typ.)	20ms / 230VAC at full load					
INPUT						
Voltage Range	180 ÷ 264VAC; 254 ÷ 370VDC					
Frequency Range	47 ÷ 63Hz					
Efiiciency (typ.)	86.5%					
AC Current (typ.)	0.35A / 230VAC					
Inrush Current (typ.)	16A / 230VAC; T_{WIDTH} (50% peak) = 208µs					
Max. No. Of PSU on Circuit Breaker	B10	B16	C10	C16	D10	D16
	25	41	25	41	25	41
Leakage Current (max.)	0.25mA / 240VAC					
PROTECTIONS						
Short Circuit	Type: hiccup mode, auto-recovery.					
Over Temperature	140°C±10°C(detect on main control IC)					
	Type: shut off output voltage. Re-power on to recovery.					

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WORKING ENVIRONMENT

Working Temperature	-10°C ÷ 70°C (refer to Derating Curve), ta: 40°C; tc: 90°C
Working Humidity	20 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-30°C ÷ 80°C, 10 ÷ 95% RH non-condensing

NORMY BEZPIECZEŃSTWA I KOMPATYBILNOŚCI ELEKTROMAGNETYCZNEJ

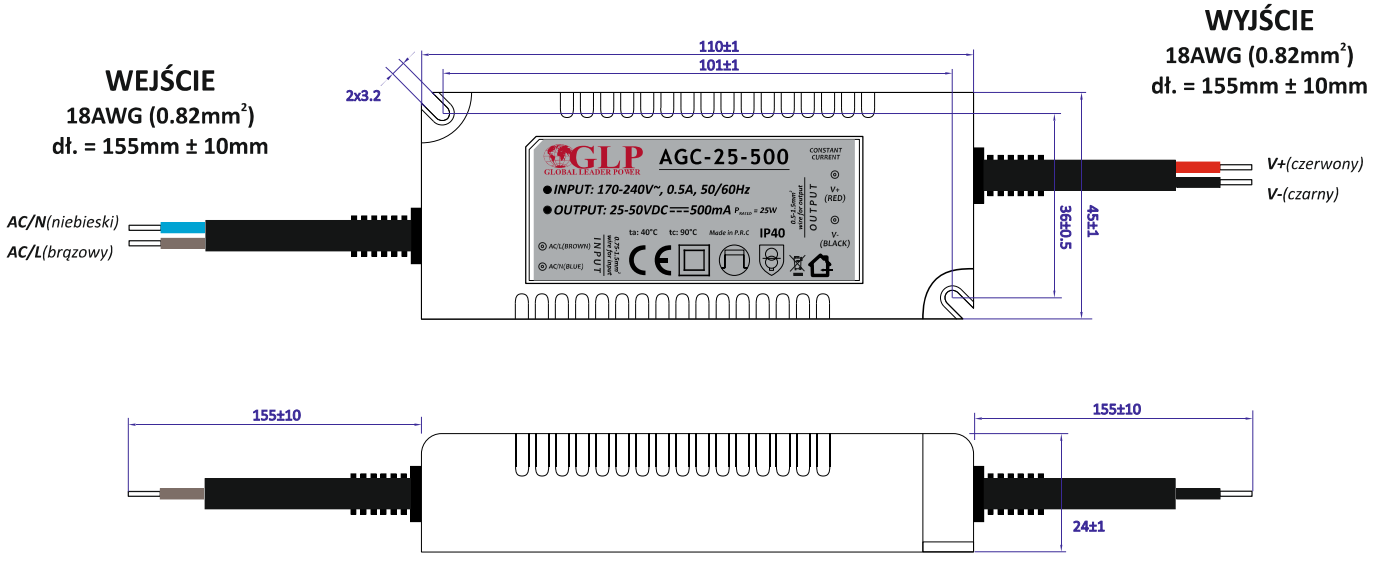
Normy bezpieczeństwa	Compliance to EN 61347-1, EN 61347-2-13
Withstand Voltage	IN/OUT: 3kVAC
Isolation Resistance	IN/OUT: 100MΩ/500VDC/25°C/70%
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2

OTHERS

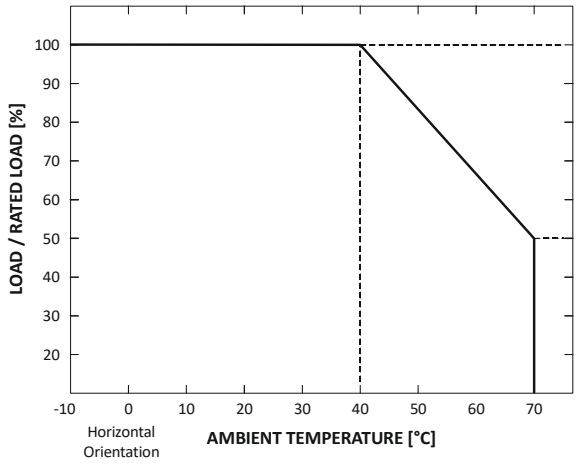
DIMENSIONS	110 x 45 x 24mm (L x W x H)
Weight and Packing	170g; 90pcs./ctn; ctn weight and dimensions: 15kg; 36 x 25 x 27cm
EAN Code	5 902135 125137

1. All parameters NOT specially mentioned are measured at 230VAC input rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Setup and rise time is measured from 0 to 90% rated output voltage.
4.Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

⊙MECHANICAL SPECIFICATION



◎ DERATING CURVE



◎ STATIC CHARACTERISTIC