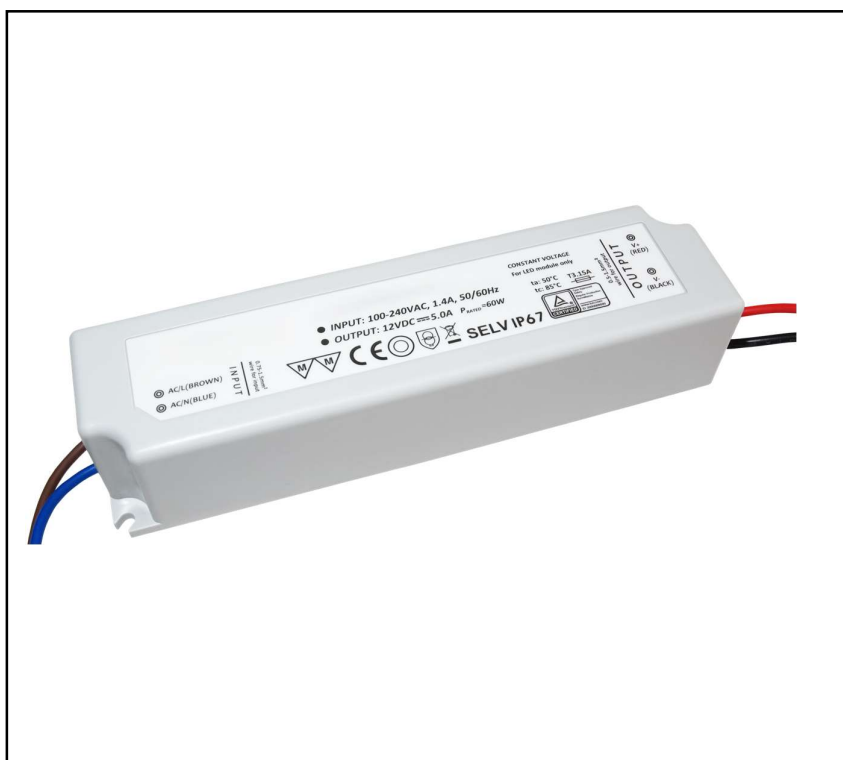


Features

- AC/DC conversion
- Constant voltage design
- Full range AC input
- Protections: short circuit / over current / over voltage
- Cooling by free convection
- Isolation class II
- Class 2 power unit
- Fully encapsulated with IP67 level

RS PRO LED Drivers

RS Stock No.: 0122225 & 0122223



©    IP67 SELV

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

Popular application:

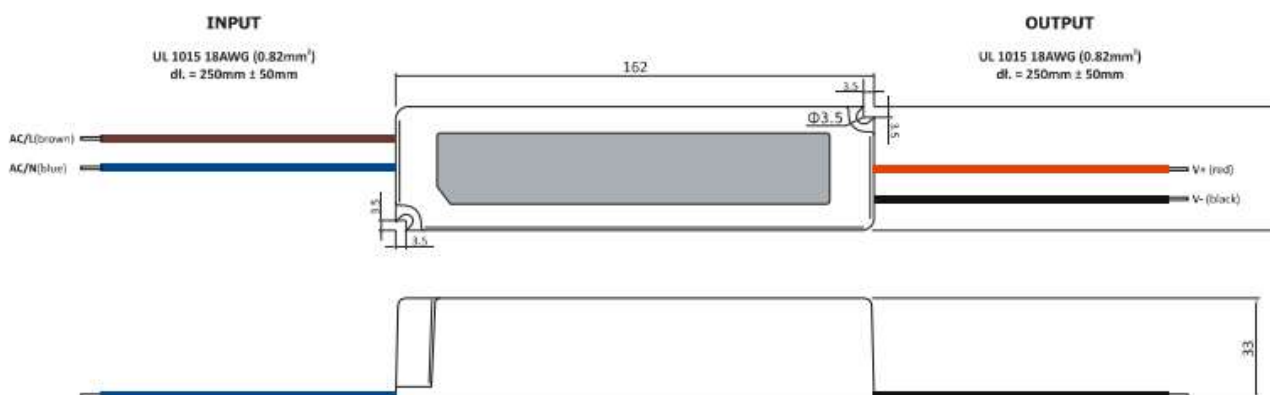
- DC:12V, 24V electronic systems
- 3D signage
- LED strips
- Furniture lighting
- POS systems
- Decorative lighting

General Specifications

Working temperature	-30°C ÷ 70°C (refer to derating Curve)
Working humidity	20 ÷ 90% RH non-condensing
Storage temp. and humidity	-40°C ÷ 80°C, 10-95% RH non-condensing
Temperature coefficient	+/- 0,03% / °C (0°C ÷ 50°C)
Vibration	10 ÷ 500MHz, 2G, 10min / cycle period for 60min each along X,Y,Z axes

Mechanical Specifications

Dimensions	162 x 42 x 33mm (L x W x H)
Weight	0,39kg/pcs



Electrical Specifications

OUTPUT		
	0122225	0122223
Rated voltage	12V	24V
Rated current	5A	2,5A
Current range	0÷5A	0÷2,5A
Rated power	60W	
Line regulation	+/- 1%	
Load regulation	+/- 2%	
Tolerance	+/- 3%	
Ripple & noise (max)	200mV _{p-p}	300mV _{p-p}
Setup, rise time	1500ms, 800ms / 115Vac; 2500ms, 800ms/230Vac at full load	
Hold up time	24ms / 115Vac , 50ms / 230Vac at full load	
INPUT		
Voltage range	90 ÷ 264Vac; 127 ÷ 370Vdc	
Frequency range	47 ÷ 63Hz	
Efficiency (typ.)	82%	84%
AC current (typ.)	1,4A/115Vac, 0,7A / 230Vac	
Inrush current (typ.)	70A / 230Vac, 35A/115Vac	
Leakage current (max.)	0,25mA / 240Vac	

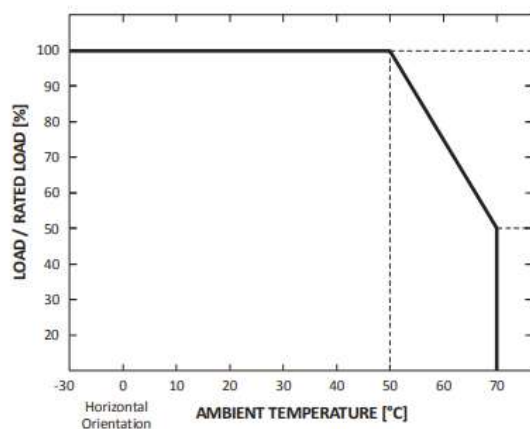
Protection Category

Over current	Range 150 ÷ 200% rated current	
	Type: hiccup mode, auto-recovery	
Short circuit	Type: hiccup mode, auto-recovery	
Over voltage	13,5 ÷ 18,5V	27 ÷ 33V
	Type: shut-off, auto-recovery	

Approvals

Safety standards	Compliance to EN61327-1, EN61347-2-13, IP67
Withstand voltage	I-P/O-P: 3kV ac
Isolation resistance	I-P/O-P: 100M Ω /500Vdc/25°C/70%
EMC emission	Compliance to EN55015
EMC immunity	Compliance to EN61547; EN55024; EN61000-4-2, -3, -4, -5, -6, -8, -11
Harmonic current	Compliance to EN61000-3-3; EN61000-3-2

Diagrams

DERATING CURVESTATIC CHARACTERISTICS