

## Features

- AC/DC conversion
- Constant voltage design
- Active PFC
- Universal AC input
- Protections: short circuit / over current / over voltage, over temp
- Cooling by free convection
- IP65 level
- Surge immunity 6kV/10kV

## RS PRO LED Drivers

RS Stock No.: 0122238 & 0122227



CONSTANT CURRENT  
CONSTANT VOLTAGE

**SELV IP65** **PFC** **110** **M** **M** **CE** **CE**

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:

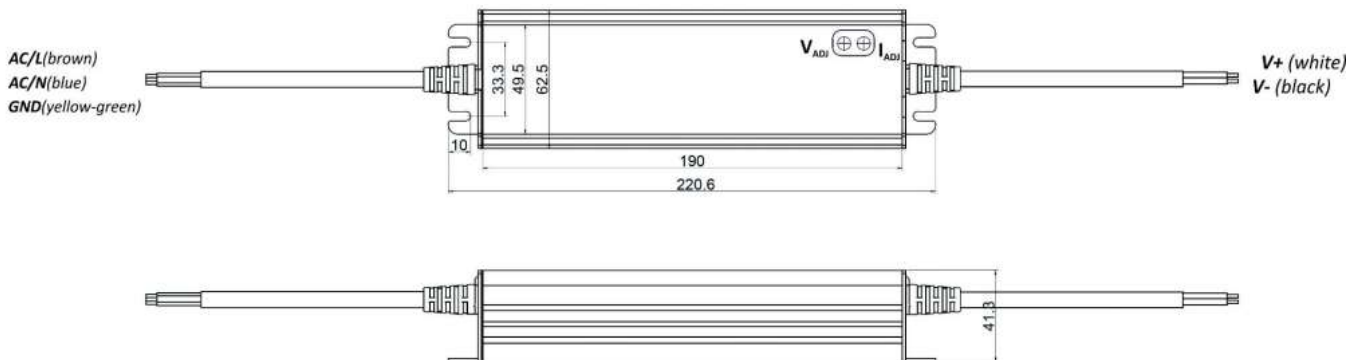
- DC:12V, 24V electronic systems
- LED LAMPS
- 3D signage
- LED strips
- POS systems
- Decorative lighting

### General Specifications

Working temperature	-40°C ÷ 75°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

### Mechanical Specifications

Dimensions	220,6 x 62,5 x 41,3mm (L x W x H)
Weight	0,94kg/pcs
Input wire	3x1.0mm <sup>2</sup> , 300mm, AC/L:brown, AC/N: blue, FG: green/yellow
Output wire	2x2.08mm <sup>2</sup> , 300mm, (+) brown, (-) blue



## Electrical Specifications

OUTPUT		
	0122238	0122227
Rated voltage	12V	24V
Rated current	18A	10A
Current range	0÷18A	0÷10A
Rated power	216W	240W
Line regulation	+/- 1%	+/- 5%
Load regulation	+/- 1%	
Ripple & noise (max)	+/- 2%	
Setup, reise time	200ms, 100ms/230Vac	
INPUT		
Voltage range	90 ÷ 305Vac;	
Frequency range	47 ÷ 63Hz	
Efficiency (typ.)	92%	93%
AC current (typ.)	1A	
Power factor	PF>0,98 (230V/full load)	
Inrush current (typ.)	65A	
Leakage current (max.)	0,7mA	

## Protection Category

Over current	Range 110÷160% rated power. Type: constant current limiting to 60% rated voltage next hiccup mode. Recovers automatically after fault conditions is removed.
Over temperature	110°C Type: shut down output voltage. Re-power on to recovery.
Short circuit	Hiccup mode. Recovers automatically after fault condition is removed.
Over voltage (output)	Range 150% rateg voltage. Type: Shut down output voltage. Re-power on to recovery.

## Approvals

<b>Safety standards</b>	Compliance to EN61327-1, EN61347-2-13, EN62493, IP65
<b>Isolation resistance</b>	I-P/O-P: 10M $\Omega$ /500Vdc/25°C/70%RH
<b>EMC emission</b>	Compliance to EN55015
<b>EMC immunity</b>	Compliance to EN61547
<b>Harmonic current</b>	Compliance to EN61000-3-3; EN61000-3-2

## Diagrams

