

## Features

- AC/DC conversion
- Constant voltage design
- Active PFC
- European AC input
- Protections: short circuit / over current / over voltage, over temp
- Cooling by free convection
- Fully encapsulated with IP67 level
- Surge immunity 6kV/10kV

## RS PRO Family Name

RS Stock No.: 0122234, 0122233



CE UKCA IP67 PFC 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:*

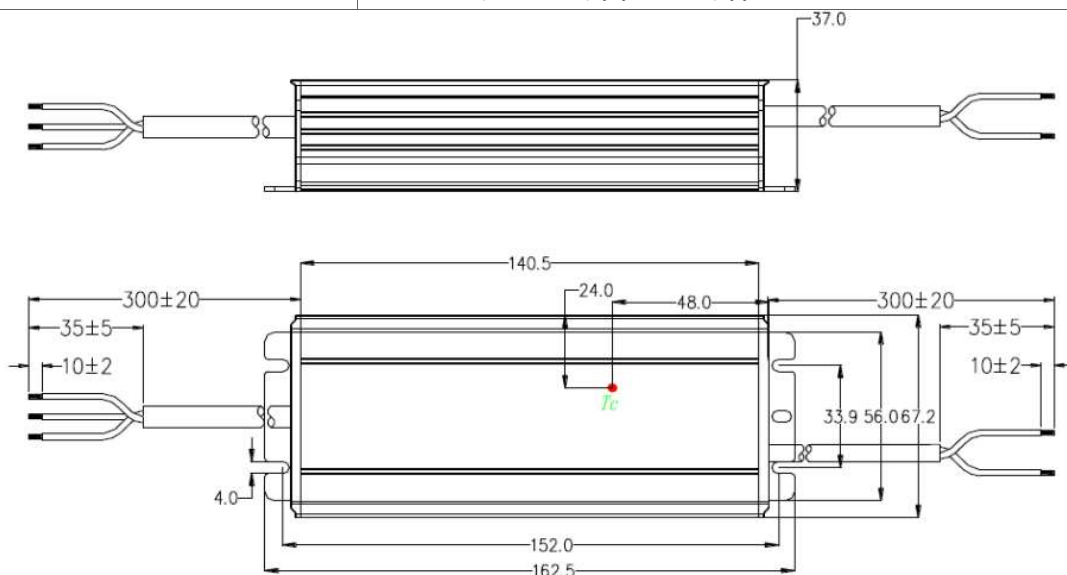
- *DC:12V, 24V electronic systems*
- *LED LAMPS*
- *3D signage*
- *LED strips*
- *POS systems*
- *Decorative lighting*

## 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	162,5 x 67,2 x 37mm (L x W x H)
Weight	0,75kg/pcs
Input wire	3x1.0mm <sup>2</sup> , 300mm, AC/L:brown, AC/N: blue, FG: green/yellow
Output wire	2x1.0mm <sup>2</sup> , 300mm, (+) brown, (-) blue



## Electrical Specifications

OUTPUT									
	0122234					0122233			
Rated voltage	12V					24V			
Rated current	12.5A					6,3A			
Current range	0÷12.5A					0÷6,3A			
Rated power	150W					150W			
Line regulation	+/- 0,5%								
Load regulation	+/- 1%								
Ripple & noise (max)	+/- 3%								
Turn-on Delay time	0,5s max.								
INPUT									
Voltage range	176 ÷ 264Vac;								
Frequency range	47 ÷ 63Hz								
Efficiency (typ.)	92%					93%			
AC current (typ.)	1A								
Power factor	0,96 (230V/full load)								
Inrush current (typ.)	75A								
Leakage current (max.)	0,7mA								
Max. PSU q-ty per circuit breaker	B10	C10	B16	C16	B20	C20	B25	C25	230V ac
	5	8	7	12	9	15	11	18	

## Protection Category

Over current	Hiccup mode. The output shall return to normal when the fault condition is removed.
Over temperature	Turn off the output. Returning to normal after over temperature is removed.
Short circuit	Hiccup mode. The output shall return to normal when the fault condition is removed.
Over voltage (input)	156÷175Vac, Turn off the output when the input voltage falls below protection voltage
Over voltage (output)	The output shall return to normal when the fault condition is removed, restart and resume.

## Approvals

Safety standards	Compliance to EN61327-1, EN61347-2-13, IP67
Isolation resistance	I-P/O-P: 10M $\Omega$ /500Vdc/25°C/70%RH
EMC emission	Compliance to EN55015
EMC immunity	Compliance to EN61547
Harmonic current	Compliance to EN61000-3-3; EN61000-3-2

## Diagrams

