

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 LED Drivers

RS Stock No.: 0122235



CE UK CA 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:

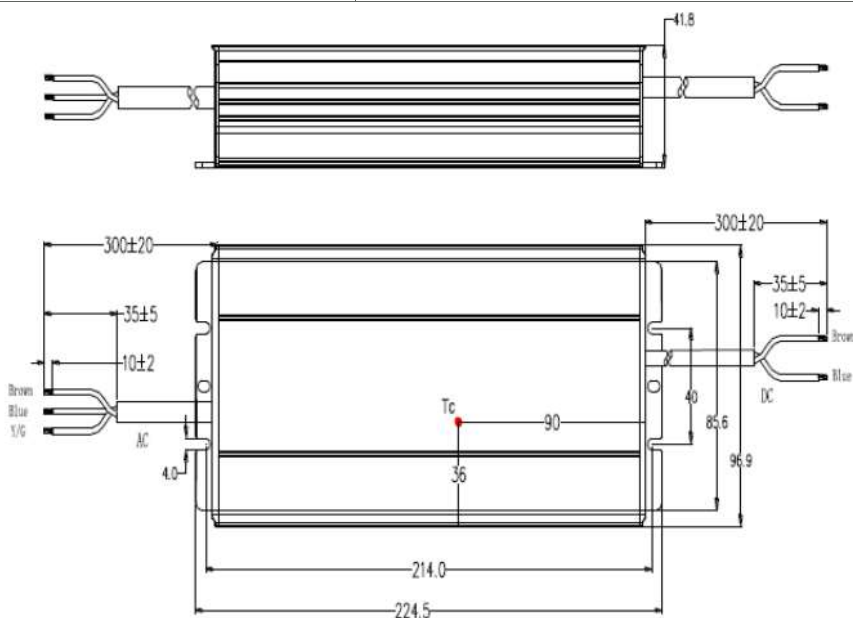
- DC:48V electronic systems
- LED LAMPS
- 3D signage
- LED strips
- POS systems
- Decorative lighting

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	224,5 x 96,9 x 41,8mm (L x W x H)
Weight	1,7kg/pcs
Input wire	3x1.0mm ² , 300mm, AC/L:brown, AC/N: blue, FG: green/yellow
Output wire	2x2.5mm ² , 300mm, (+) brown, (-) blue



Electrical Specifications

OUTPUT							
	0122234						
Rated voltage	48V						
Rated current	7,2A						
Current range	0÷7,2A						
Rated power	350W						
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.)	93%						
AC current (typ.)	1A						
Power factor	0,98 (230V/full load)						
Inrush current (typ.)	75A						
Leakage current (max.)	0,7mA						
Max. PSU q-ty per circuit breaker	B10	C10	B16	C16	B25	C25	230V ac
	1	1	1	2	2	4	

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 Ω /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

