

# 9W 12V/24V In-Door Constant Voltage LED Driver

## Product Offering



**Order part number:**  
ICV-AD-9W-12V-UN-F-20  
ICV-AD-9W-24V-UN-F-20

## Product Description:

- Constant voltage output
- Active power factor correction
- Universal input voltage range
- Semi-potting with robust housing

## Feature:

- High efficiency; PF > 0.9
- Reinforced insulation from input and output
- Cooling by free air convection
- Fully protected: Short circuit, overvoltage protection

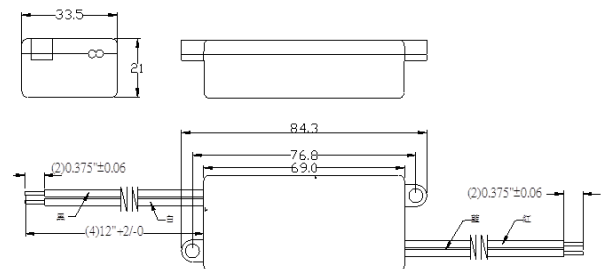
## Technical Data

Rated supply voltage, AC	220-240 Vac, 50/60Hz
AC Voltage range, AC	100-264 Vac, 50/60Hz
Survive input range (for 30mins)	170-305 Vac, 50/60Hz
Rated current @230Vac	<0.06A
Leakage current @240Vac	<0.5mA@240Vac
Max. input power	12W
Typ. efficiency (at 230V 50Hz, full load)	Typ. 75%
Inrush current	<10A (T-width @50μs)
Typ. λ (at 230 V 50Hz, Full load)	>0.9
Typ. λ (at 230 V 50Hz, half. load)	>0.7
Output rated power	9W
Ambient temperature ta	-15 ... +40 °C
Max. Casing temperature tc	75 °C
Size (mm)	85x34x21
Weight	90g

## Standard comply

EN55015; EN61000-3-2; EN61000-3-3; EN61547;  
EN61347-1; EN61347-2-13;

## Outlook (in mm)



## Specific Technical Data

Order Part number	Max. output current	Output voltage
ICV-AD-9W-12V-UN-F-20	700mA <sup>(1)</sup>	12Vdc (11.2-12.4Vdc)
ICV-AD-9W-24V-UN-F-20	350mA <sup>(1)</sup>	24Vdc(22.8-24.6Vdc)

**Remark:**  
(1) For detail specification, please refer to the "Technical Information".

**Notes:**  
 - Specifications may vary without notice  
 - Always consult local electrical codes  
 - Parameters are measured at rated output, rated load and at an ambient temperature of 25°C  
 - Expect slight variation including component tolerance, setup tolerance, line regulation and load regulation.  
 - Power supplies should always be stress tested and tested for EMC within specific fixture  
 - Where grounding/earthing is not indicated, avoid grounding/earthing or contact with grounded/earthed metal enclosures  
 - Performance with dimmers, where supported, may vary depending on dimmer model