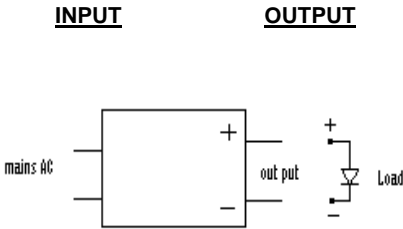




Ordering 12NC	9290 034 22006
Brand Name	CertaDrive
Description	CertaDrive 8W 300mA 240V
Model Number	C008C030V027FNA1AIC2
Input Voltage	220 - 240V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 ( Part 2 / Sec 13 )
Status	BIS Certified

Output Power (W)	Output Voltage (V)	Output Current (A)	Efficiency at Max Load	Max Case Temp (°C)	Input Current (Arms)	Max Input Power (W)	Isolation ( Input - Output )	THD @ Max Load (%)	Power Factor @Max Load	Surge Protection (KV)	Weight (Kg)	Envir. Protection Rating
8	16 -27	0.300	240V	65	240V	10	Isolated Driver	≤ 55 @Max Load	≥ 0.8	2	0.04	IP 20
			80		0.055							

Wire Diagram



Input Wire

Mains ( L-N )	White
---------------	-------

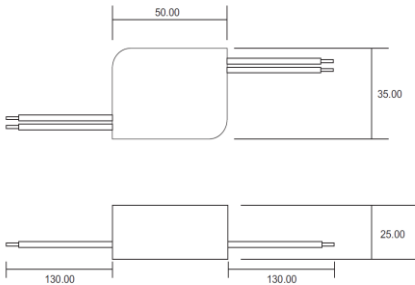
Output Wire

LED +ve	Red
LED -ve	Black

Wire to Use

9 - 10mm Strip	→	←
Wire : 0.5 - 1.5 Sq. mm		

Enclosure



	(mm )
Case Length	50
Case Width	35
Case Height	25
Mounting Length	57.69

# PHILIPS

Ordering 12NC	9290 034 22006
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## PHILIPS

### CertaDrive

Model No: C008C030V027FNA1AIC2

IS 15885  
(Part 2/Sec 13)

R-85000434  
www.bis.gov.in

For Indoor Use Only  
MADE IN INDIA

Un : 240V	Pout : 8W
Fq : 50 Hz	Iout : 300mA
In : 55mA	Uout : 16-27Vdc
Pn : 10W	ta : 0...+40°C
PF : ≥0.8	tc : 70°C

Product Data	
Full product code	9290 034 22006
Full product name	LED Driver 8W 300mA 240V
Net weight per piece	40 gms
Dimming	None ( FIXED )
Ambient Temp. Range	0°C to + 40°C
Line Voltage ( AC Nominal)	220 - 240V +/-10%
Line Voltage ( AC Performance Range)	170 - 270V
Line Current	0.055A @ 240V
Line Frequency	50 Hz
Envir. Protection Rating	IP 20 ( For Indoor use only )
Life at Tc 65 drgree C	30000 hrs ( nom. )
Tc - Max.	65°C
Input Over Voltage	Can Survive input Voltage Stress of 320V for 48 hours
	Can Survive input Voltage Stress of 360V for 2 hours
LED Current Tolerance	+/- 10% of Imax
THD Total	≤ 55% @ Full Load @ 240V Supply
P.F. at Max. Load	≥ 0.8
Isolation ( Input - Output )	Isolated
Protection	Short Circuit and Open Circuit Protection for LED + and LED -
Standby Power	≤0.5W



Ordering 12NC	9290 034 22006
Brand Name	CertaDrive
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Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 ( Part 2 / Sec 13 )
Status	BIS Certified

#### Installation & Application Notes :

##### Section I - Physical Characteristics

- 1.1 LED Driver shall be installed inside an electrical enclosure
- 1.2 Wiring inside electrical enclosure shall comply with 600V/105°C rating or higher

##### Section II - Performance

- 2.1 LED Driver has a rated lifetime of 30,000 hours @  $T_c \leq 65^\circ\text{C}$
- 2.2 LED Driver tolerates sustained open circuit and short circuit output conditions without damage
- 2.3 LED Driver maximum allowable case temperature is  $65^\circ\text{C}$  - see product label for measurement location
- 2.4 LED Driver complies with the requirements of IS 15885 ( Part 2 / Sec 13 )

#### ELECTRICAL RATINGS :

Model	Input, 50 Hz		Output ( nominal )		
	V	A	V DC	A DC	Watts
CertaDrive 8W 300mA 240V	220 - 240	0.055	16 - 27	0.300	8

#### TECHNICAL CONSIDERATIONS ( NOT FOR FIELD REPRESENTATIVES USE ) :

##### Section III - Conditions of acceptability

When installed in the end-use equipment, the following are among the considerations to be made :

- 3.1 The equipment shall be installed in compliance with the enclosure, mounting, spacing, casualty and segregation requirements of the ultimate application.
- 3.2 The driver is suitable for indoor application only.
- 3.3 When the drivers are installed in the end-use application, the case temperature should not exceed the temperature limits specified in the following table:

Model	Input Voltage, Hz	Max Case @ $T_C$ , $^\circ\text{C}$
CertaDrive 8W 300mA 240V	220 - 240 , 50	65



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