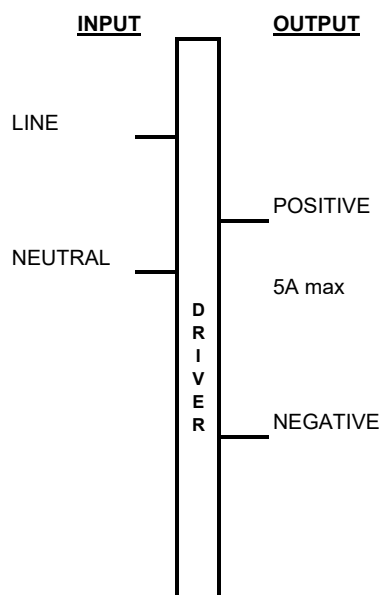


PHILIPS

Ordering 12 NC	9290 034 34306
Brand Name	LED Driver
Description	LED Transformer 60W 5A 12VDC
Model Number	C060C500V012FNE1BI
Input Voltage	220 - 240V
Input Frequency	50 / 60 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Approved

Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency at Max Load (%)	Max Case Temp (°C)	Input Current (Arms)	Max Input Power (W)	THD @ Max Load (%)	Power Factor @Max Load	Surge Protection Diff.(KV)	Weight (Kg)	Envir. Protection Rating
60	12	5	240V	90	240V	72	≤ 60 @Max Load	≥ 0.45	2	0.250	IP 20
			>82		0.600						

Wiring Diagram



Input Terminal
2 Way Connector - 1no.

Output Terminal
2 Way Connector - 1 nos.

Enclosure



	(mm)
Case Length	211
Case Width	40
Case Height	30
Mounting Length	200

PHILIPS

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PHILIPS


LED Driver

60W 5A 12VDC

Model No: C060C500V012FNE1BI

Protections:
 Over Load
 O/P Short Circuit
 O/P Open Circuit

IS 15885
(Part 2/Sec 13)



R-72006327
www.bis.gov.in

SELV
Equivalent

12V LED

tc •
90°C Max.

5A LED

For Indoor Use Only
Made in India

U_{in} : 240V 50Hz	U_{out} : 12Vdc
I_{in} : 600mA	I_{out} : 5Adc
P_{in} : 72W	P_{out} : 60W

Product Data	
Full product code	9290 034 34306
Full product name	LED Driver 60W 5A 12VDC
Net weight per piece	250 gms
Dimming	None (FIXED)
Ambient Temp. Range	-10C to +35C
Line Voltage (AC Nominal)	220 - 240V +/-10%
Line Voltage (AC Operating Range)	140 - 300V
Line Current	0.600A @ 240V
Line Frequency	50 Hz
Envir. Protection Rating	IP 20 (Potted)
Life at Tc 90 dgree C	30000 hrs (nom.)
Suitable For Indoor Use	Yes
Tc - Max.	90°C
Max. Driver number on MCB 16A (Type B)	12 (max.)
Input Over Voltage Protection	Withstands 320V for 48 Hours
	Withstands 350V for 2 Hours
Output Voltage Tolerance	+/- 5%of I _{max}
THD Total	≤ 60% @ Full Load @ 240V Supply
P.F. at Max. Load	≥ 0.45
Isolation (Input - Output)	Basic Isolation
Protection	Short Circuit and Open Circuit Protection for LED + and LED -
Standby Power	≤0.5W



Ordering 12 NC	9290 034 34306
Brand Name	LED Driver
Description	LED Transformer 60W 5A 12VDC
Model Number	C060C500V012FNE1BI
Input Voltage	220 - 240V
Input Frequency	50 / 60 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Approved

Installation & Application Notes :

Section I - Physical Characteristics

- 1.1 LED Driver shall be installed inside / outside an electrical enclosure for indoor application.
- 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 @ $T_c \leq 90^\circ\text{C}$
- 2.2 LED Driver tolerates sustained open circuit and short circuit output conditions without damage
- 2.3 LED Driver maximum allowable case temperature is 90°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, 50/60 Hz		Output (nominal)		
	V	A	V DC	A DC	Watts
LED Driver 60W 5A 12VDC	220 - 240	0.6	12	5.0	60

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 LED Lighting application.
- 3.3 The driver is suitable for use in indoor Dry locations.
- 3.4 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 @ TC , °C
LED Driver 60W 5A 12VDC	220 - 240 , 50/60	90



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