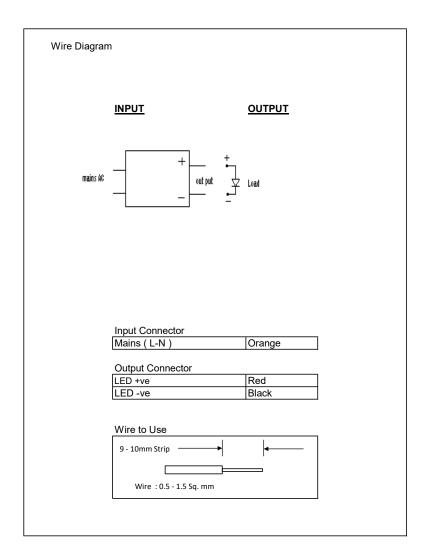
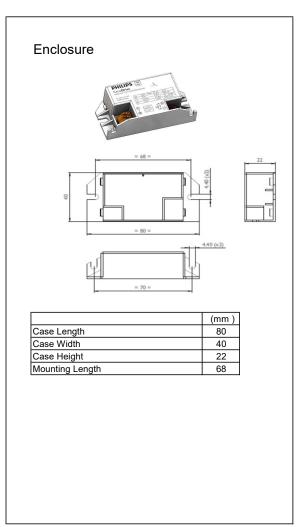


Ordering 12 NC	9290 033 88506
Brand Name	PHILIPS
Description	CertaDrive 21W 500mA 42V
Model Number	C021C050V042FNM1AI
Input Voltage	220 - 240V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Approved

Input	Input	Power	THD @	Surge	Output	Output	Output	Efficiency	Max Case	Weight	Envir.
Power	Current	Factor	Max Load	Protection	Power	Voltage	Current	at Max Load	Temp		Protection
(W)	(Arms)	@Max Load	(%)	Diff.(KV)	(W)	(VDC)	(A)	(%)	(°C)	(Kg)	Rating
24	240V	≥ 0.85	≤ 55	3	21	30-42	0.5	240V	75	0.062	Dry and Damp
	0.130		Load					≥ 85			

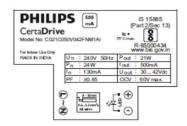




Revised 14-01-2022 Rev. - 00



Ordering 12 NC	9290 033 88506
Brand Name	PHILIPS
Description	CertaDrive 21W 500mA 42V
Model Number	C021C050V042FNM1AI
Input Voltage	220 - 240V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Approved



	Product Data		
Full product code 9290 033 88506			
Full product name	CertaDrive 21W 500mA 42V		
veight per piece 62 gms			
Dimming	None (FIXED)		
Ambient Temp. Range	-10C to +50C		
AC Input Voltage (Performance range)	Typical 230V (Min- 220V , Max - 240V)		
AC Input Voltage (Operating range)	Typical 240V (Min- 170V , Max - 270V)		
Line Current	0.130A @ 240V		
Line Frequency	50 Hz		
Envir. Protection Rating	Dry and Damp		
Life at Tc 75 degree C	30000 hrs (nom.)		
uitable For Outdoor Use No			
Tc - Max.	75°C		
Max. Driver number on MCB 16A (Type B)	40 (max.)		
Input Over Voltage	Can Survive input Voltage Stress of 320V for 48 hours		
	Can Survive input Voltage Stress of 360V for 12 hours		
EMI (CICPD45)	No		
EMI (CISPR15)	No		
Output Current Tolerance	+/- 10%of Imax		
Output Ripple Current	≤ 30% (ripple = pk / avg.)		
THD Total	≤ 55% @ Full Load @ 240V Supply		
P.F. at Max. Load	≥ 0.85		
Isolation (Input - Output)	Basic Isolation		
Protection	Short Circuit and Open Circuit Protection for LED + and LED -		



Ordering 12 NC	9290 033 88506
Brand Name	PHILIPS
Description	CertaDrive 21W 500mA 42V
Model Number	C021C050V042FNM1AI
Input Voltage	220 - 240V
Input Frequency	50 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 / ouside 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 @ Tc ≤ 75°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 75°C see product label for measurement location
- 2.4 LED Driver complies with the requirements of IS 15885 (Part 2 / Sec 13)

ELECTRICAL RATINGS:

	Input, 50 H	Z	Output (nor	ninal)	
Model	V	Α	V DC	A DC	Watts
CertaDrive 21W 500mA 42V	220 - 240	0.13	42	0.5	21

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 Dry & Damp 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	
CertaDrive 21W 500mA 42V	220 - 240 , 50	75	



©2021 Signify Holding, IBRS 10461, 5600 VB, NL. All rights reserved.

Address: Signify Innovations India Ltd 9B, DLF 9th Floor DLF Cyber City, DLF Phase III Gurgaon 122002 India

The information provided herein is subject to change without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners. Date of release: Dec 07, 2021