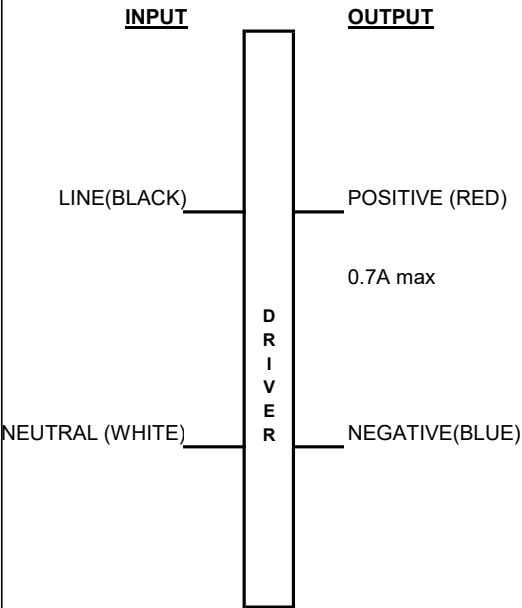




Ordering 12 NC	9290 028 18206
Brand Name	LED Driver
Description	CertaDrive 24W 0.7A 30V CR
Model Number	C021C070V030FNP3CO
Input Voltage	220 - 240V
Input Frequency	50 Hz
RoHS	Yes
Approbations	IS 15885 (Part 2 / Sec 13)
Status	BIS Approved

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
21	21-30	0.7	240V	80	240V	24	≤ 10 @Max Load	≥ 0.95	4	0.125	IP 20
			>85		0.105						

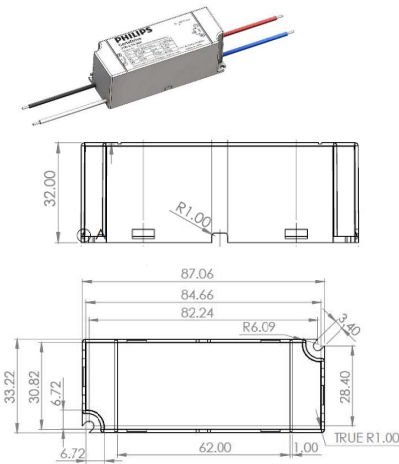
Wiring Diagram



Input Terminal
Wire type: 2 wire.

Output Terminal
Wire type: 2 wire.

Enclosure



	(mm)
Case Length	87
Case Width	33
Case Height	32
Mounting Length	87

PHILIPS

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PHILIPS

CertaDrive

24W 0.7A 30V

Model No : C021C070V030FNP3CO

tc : 80°C max

IS 15885
(Part 2/Sec 13)

R-85000434
www.bis.gov.in

Dry & Damp location
Made in India

② Mains

①

U _n : 240V, 50Hz	U _{out} : 21-30Vdc
I _n : 0.105A	I _{out} : 0.7Adc
P _n : 24W	P _{out} : 21W
PF : ≥0.95	THD : ≤10%

U_{out} (Open Circuit Voltage): ≤60Vdc max

Product Data	
Full product code	9290 028 18206
Full product name	CertaDrive 24W 0.7A 30V CR
Net weight per piece	125 gms
Dimming	None (FIXED)
Ambient Temp. Range	-10C to +55C
AC Input Voltage (Performance range)	Typical 230V (Min- 220V , Max - 240V)
AC Input Voltage (Operating range)	Typical 240V (Min- 110V , Max - 330V)
Line Current	0.105A @ 240V
Line Frequency	50 Hz
Envir. Protection Rating	IP 20 (Potted)
Life at Tc 80 degree C	30000 hrs (nom.)
Suitable For Outdoor Use	Yes
Tc - Max.	80°C
Max. Driver number on MCB 16A (Type B)	31 (max.)
Input Over Voltage	Can Survive input Voltage Stress of 320V for 48 hours Can Survive input Voltage Stress of 360V for 12 hours Can Survive input Voltage Stress of 440V for 8 hours
Input Under Voltage Protection	Can Survive input Voltage Stress of 100V for 48 hours
Input Over Voltage Cut Off	Auto Shutdown at ≥325V and Auto Recovery at 300V - 315V
Input under voltage shutdown	Auto Shutdown at ≤ 95V and auto Recovery at 95 - 100V
Output Current Tolerance	+/- 5% of I _{max}
THD Total	≤ 10% @ Full Load @ 240V Supply
P.F. at Max. Load	≥ 0.95
Isolation (Input - Output)	Basic Isolation
Protection	Short Circuit and Open Circuit Protection for LED + and LED -



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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.
- 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 @ $T_c \leq 80^\circ\text{C}$
- 2.2 LED Driver tolerates sustained open circuit and short circuit output conditions without damage
- 2.3 LED Driver maximum allowable case temperature is 80°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 24W 0.7A 30V CR	220 - 240	0.105	30	0.7	24

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 @ T_C , $^\circ\text{C}$
CertaDrive 24W 0.7A 30V CR	220 - 240 , 50	80



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