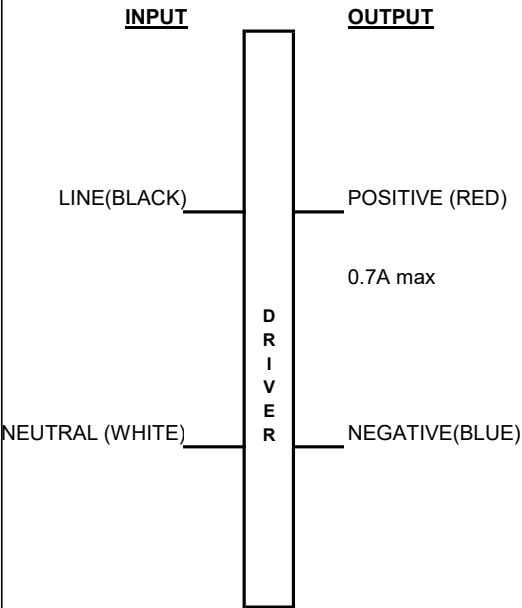




Ordering 12 NC	9290 03402406
Brand Name	LED Driver
Description	CertaDrive 30W 0.7A 40V
Model Number	C028C070V040FNP3CO
Input Voltage	220 - 240V
Input Frequency	50 / 60 Hz
RoHS	Yes
Approbations	IS 15885 ( Part 2 / Sec 13 )
Status	BIS Approved

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
28	24-40	0.7	240V	80	240V	31	≤ 10 @Max Load	≥ 0.95	4	0.125	IP 20
			>85		0.140						

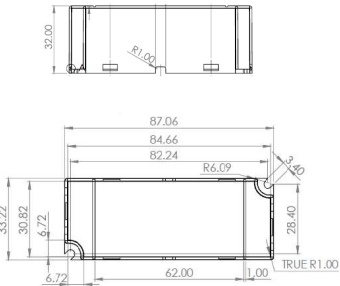
Wiring Diagram



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

#### 30W 0.7A 40V

Model No : C028C070V040FNP3CO

$U_n$ : 240V, 50Hz	$U_{out}$ : 24-40Vdc
$I_n$ : 0.140A	$I_{out}$ : 0.7Adc
$P_n$ : 31W	$P_{out}$ : 28W
PF : $\geq 0.95$	THD : $\leq 10\%$

Uout:  $\leq 60Vdc$  max

tc : 80°C max

IS 15885  
(Part 2/Sec 13)

R-85000434  
www.bis.gov.in

Dry & Damp location  
Made in India

Product Data	
Full product code	9290 03402406
Full product name	CertaDrive 30W 0.7A 40V
Net weight per piece	125 gms
Dimming	None ( FIXED )
Ambient Temp. Range	-10C to +50C
Line Voltage ( AC Nominal)	220 - 240V +/-10%
Line Voltage ( AC Operating Range)	120 - 300V
Line Current	0.1400A @ 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.	80°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 Imax
Output Voltage Ripple	$\leq 3\%$ ( ripple = pk / avg. )
THD Total	$\leq 10\%$ @ Full Load @ 240V Supply
P.F. at Max. Load	$\geq 0.95$
Isolation ( Input - Output )	Basic Isolation
Protection	Short Circuit and Open Circuit Protection for LED + and LED -
Standby Power	$\leq 0.5W$



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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  $80^\circ\text{C}$  - 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, 50/60 Hz		Output ( nominal )		
	V	A	V DC	A DC	Watts
CertaDrive 30W 0.7A 40V	220 - 240	0.14	40	0.7	28

### 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 30W 0.7A 40V	220 - 240 , 50/60	80



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