

# T12401000-105PB SPECIFICATIONS

IP 67



Constant Current LED Driver

Output Wattage: 105W

Input Voltage: 240VAC ±10%, 50/60Hz

Output Current: 1000mA ±5%

• Thermal Protection

· Aluminum extrusion enclousure and cables

• Output voltage range of 75-105VDC

IP 67, Isolated

• 440Vac Protection

· OVP and UVP Cut-off

Rated Input Voltage   240VAC ±10%, 50/60 Hz			
Input Current   1.3 A Max   Input Power   128W Max   Power Factor   20.98   THD   10%   Se6%   Typical 90%   Power Type   Isolated class I (IEC 61140)			
Input Power	100-300VAC, 50/60Hz		
Power Factor			
THD			
Efficiency			
Driver Type Isolated class I (IEC 61140) Output Current 1000mA ±5% Output Open Load Voltage 110VDC Output Voltage Range 75-105VDC Output Power 105W Number of Output Channels 1 Channel Dimming Controller Type/Dimming Range NA RFI/EMI NA Output Type Constant Current Ambient Operating Temperature Range -25°C to 50°C Max. Case Temperature Range NA Input Surge Protection Input Over Current : NON-Resettable Input Over Voltage : Shutdown @ 330± 10Vac, At Output Short Circuit : Auto recovery Output Open Circuit : Auto recovery Output Open Circuit : Auto recovery Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back at Sprovals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years			
Output Current Output Open Load Voltage Output Voltage Range Ottput Power Output Power Output Power Output Channels Dimming Controller Type/Dimming Range NA RFI/EMI Output Type Constant Current Ambient Operating Temperature Range Ax. Case Temperature Sound Rating Input Surge Protection  Protections  Protections  Output Specification  Approvals / Class  Service Life Sound Rating Output Specification  Output Specification  Output Specification  Output Specification  1000mA ±5% 110VDC 110VDC 100VDC 100VD	>86% , Typical 90%		
Output Open Load Voltage Output Voltage Range 75-105VDC Output Power 105W Number of Output Channels Dimming Controller Type/Dimming Range RFI/EMI Output Type Constant Current Ambient Operating Temperature Range 75°C Sound Rating Input Surge Protection  Protections  Protections  Output Short Circuit Auto recovery Output Oyer Output Chaus Output Oyer Current Auto recovery Output Oyer Circuit Auto recovery Output Oyer Circuit Auto recovery Output Oyer Circuit Auto recovery Output Oyer Output Chaus Over Temperature Over Temperature Over Temperature Over Temperature Over Temperature Output Current Output Current Output Current Output Current Output Oyer Courrent Output Oyer Current Output Oyer Current Output Oyer Output Output Oyer Current Output Oyer Output Oyer Temperature Output Current Fold-back Over Temperature Output Current Output Current Output Oyer Output Oyer Temperature Output Oyer Output Oyer Temperature O			
Output Voltage Range 75-105VDC Output Power 105W Number of Output Channels 1 Channel Dimming Controller Type/Dimming Range NA RFI/EMI NA Output Type Constant Current Ambient Operating Temperature Range -25°C to 50°C Max. Case Temperature Range NA Input Surge Protection Line-Neutral 4kV, Line & Neutral-Ground 4kV Input Over Current : NON-Resettable Input Over Voltage Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C Input Under Voltage : Shutdown @ 95±10Vac, At Output Short Circuit : Auto recovery Output Open Circuit : Auto recovery Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back of Service Life 50,000 hours @ Tc Max Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years			
Output Power  Number of Output Channels  Dimming Controller Type/Dimming Range  NA  RFI/EMI  NA  Output Type  Constant Current  Ambient Operating Temperature Range  75°C  Max. Case Temperature  NA  Input Surge Protection  Input Over Current  Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C  Input Under Voltage  Shutdown @ 95±10Vac, At Output Short Circuit  Auto recovery  Output Overload  Cutput Short Circuit  Auto recovery  Output Overload  Service Life  Service Life  Dry, Damp or Wet Locations; IP 67  Warranty  3 years			
Number of Output Channels  Dimming Controller Type/Dimming Range  RFI/EMI  NA  Output Type  Constant Current  Ambient Operating Temperature Range  75°C  Sound Rating  NA  Input Surge Protection  Line-Neutral 4kV, Line & Neutral-Ground 4kV  Input Over Current : NON-Resettable  Input Over Voltage : Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C  Input Under Voltage : Shutdown @ 95±10Vac, At Output Short Circuit : Auto recovery  Output Open Circuit : Auto recovery  Output Open Circuit : Auto recovery  Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back at Service Life  Service Life  Approvals / Class  Dry, Damp or Wet Locations; IP 67  Warranty  3 years			
Dimming Controller Type/Dimming Range  RFI/EMI  Output Type  Constant Current  Ambient Operating Temperature Range  -25°C to 50°C  Max. Case Temperature  75°C  Sound Rating  Input Surge Protection  Line-Neutral 4kV, Line & Neutral-Ground 4kV  Input Over Current  Input Over Voltage  Shutdown @ 330± 10Vac, at 40Vac for 8 hours @ 50°C  Input Under Voltage  Protections  Protections  Protections  Output Short Circuit  Auto recovery  Output Open Circuit  Auto recovery  Output to ground short: Auto recovery  Output Overload  Courrent is NON-Resettable  Input Under Voltage is Shutdown @ 95±10Vac, At Output Short Circuit  Auto recovery  Output Open Circuit  Auto recovery  Output to ground short: Auto recovery  Output Overload  Courrent is Auto recovery  Output Overload  Courrent is Non-Resettable  Input Under Voltage  Output Short Circuit  Auto recovery  Output Open Circuit  Over Temperature  Output Current Fold-back at Solono hours @ Tc Max  Dry, Damp or Wet Locations; IP 67  Warranty  3 years	105W		
RFI/EMI Output Type Constant Current  Ambient Operating Temperature Range -25°C to 50°C  Max. Case Temperature 75°C  Sound Rating NA Input Surge Protection Line-Neutral 4kV, Line & Neutral-Ground 4kV Input Over Current Input Over Voltage Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C Input Under Voltage Shutdown @ 95±10Vac, Au Output Short Circuit Auto recovery Output Open Circuit Auto recovery Output Overload Limited by maximum Output Over Temperature Output Current Fold-back at Service Life 50,000 hours @ Tc Max Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years			
Output Type  Ambient Operating Temperature Range  -25°C to 50°C  Max. Case Temperature  75°C  Sound Rating  Input Surge Protection  Line-Neutral 4kV, Line & Neutral-Ground 4kV  Input Over Current : NON-Resettable  Input Over Voltage : Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C  Input Under Voltage : Shutdown @ 95±10Vac, Au  Output Short Circuit : Auto recovery  Output Open Circuit : Auto recovery  Output to ground short : Auto recovery  Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back at Service Life  50,000 hours @ Tc Max  Approvals / Class  Dry, Damp or Wet Locations; IP 67  Warranty  3 years			
Ambient Operating Temperature Range -25°C to 50°C  Max. Case Temperature 75°C  Sound Rating NA  Input Surge Protection Line-Neutral 4kV, Line & Neutral-Ground 4kV  Input Over Current : NON-Resettable Input Over Voltage : Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C  Input Under Voltage : Shutdown @ 95±10Vac, Au  Output Short Circuit : Auto recovery  Output Open Circuit : Auto recovery  Output Overload : Limited by maximum Output  Over Temperature : Output Current Fold-back at  Service Life 50,000 hours @ Tc Max  Approvals / Class Dry, Damp or Wet Locations; IP 67  Warranty 3 years	NA		
Max. Case Temperature  Sound Rating  Input Surge Protection  Line-Neutral 4kV, Line & Neutral-Ground 4kV  Input Over Current : NON-Resettable Input Over Voltage : Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C  Input Under Voltage : Shutdown @ 95±10Vac, Au Output Short Circuit : Auto recovery Output Open Circuit : Auto recovery Output to ground short : Auto recovery Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back at Service Life  Service Life  50,000 hours @ Tc Max  Approvals / Class  Dry, Damp or Wet Locations; IP 67  Warranty  3 years	Constant Current		
Sound Rating Input Surge Protection  Line-Neutral 4kV, Line & Neutral-Ground 4kV Input Over Current : NON-Resettable Input Over Voltage : Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C Input Under Voltage : Shutdown @ 95±10Vac, Au Output Short Circuit : Auto recovery Output Open Circuit : Auto recovery Output to ground short : Auto recovery Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back at Service Life 50,000 hours @ Tc Max Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years	-25°C to 50°C		
Input Surge Protection  Line-Neutral 4kV, Line & Neutral-Ground 4kV  Input Over Current : NON-Resettable  Input Over Voltage : Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C  Input Under Voltage : Shutdown @ 95±10Vac, Au  Output Short Circuit : Auto recovery  Output Open Circuit : Auto recovery  Output to ground short : Auto recovery  Output Overload : Limited by maximum Output  Over Temperature : Output Current Fold-back at  Service Life			
Input Over Current : NON-Resettable Input Over Voltage : Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C Input Under Voltage : Shutdown @ 95±10Vac, Au Output Short Circuit : Auto recovery Output Open Circuit : Auto recovery Output to ground short : Auto recovery Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back at Service Life 50,000 hours @ Tc Max Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years			
Input Over Voltage : Shutdown @ 330± 10Vac, 440Vac for 8 hours @ 50°C  Input Under Voltage : Shutdown @ 95±10Vac, Au  Output Short Circuit : Auto recovery  Output Open Circuit : Auto recovery  Output to ground short : Auto recovery  Output Overload : Limited by maximum Output  Over Temperature : Output Current Fold-back at  Service Life 50,000 hours @ Tc Max  Approvals / Class Dry, Damp or Wet Locations; IP 67  Warranty 3 years	Line-Neutral 4kV, Line & Neutral-Ground 4kV		
A40Vac for 8 hours @ 50°C  Input Under Voltage : Shutdown @ 95±10Vac, Au  Output Short Circuit : Auto recovery  Output Open Circuit : Auto recovery  Output to ground short : Auto recovery  Output Overload : Limited by maximum Output  Over Temperature : Output Current Fold-back at  Service Life 50,000 hours @ Tc Max  Approvals / Class Dry, Damp or Wet Locations; IP 67  Warranty 3 years			
Protections  Output Short Circuit : Auto recovery Output Open Circuit : Auto recovery Output to ground short : Auto recovery Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back at Service Life 50,000 hours @ Tc Max Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years	Auto recovery @ 32 <u>0+</u> 10Vac, C, 320Vac for 48 hours @ 50°C		
Protections  Output Open Circuit : Auto recovery Output to ground short : Auto recovery Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back a Service Life 50,000 hours @ Tc Max Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years	uto recovery @ 100±5Vac		
Output Open Circuit : Auto recovery Output to ground short : Auto recovery Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back a Service Life 50,000 hours @ Tc Max Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years			
Output Overload : Limited by maximum Output Over Temperature : Output Current Fold-back at Service Life 50,000 hours @ Tc Max  Approvals / Class Dry, Damp or Wet Locations; IP 67  Warranty 3 years			
Over Temperature : Output Current Fold-back at Service Life 50,000 hours @ Tc Max Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years			
Service Life 50,000 hours @ Tc Max Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years	ıt Voltage		
Approvals / Class Dry, Damp or Wet Locations; IP 67 Warranty 3 years	above declared Tc max		
Warranty 3 years			
	Dry, Damp or Wet Locations; IP 67		
Weight 1.1 Kg			
	1.1 Kg		
,			



### T12401000-105PB **SPECIFICATIONS**





Figure 1

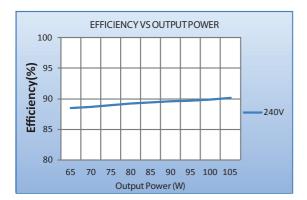


Figure 2

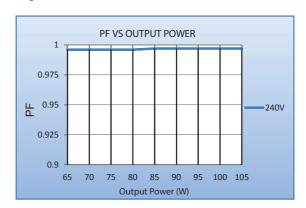


Figure 3

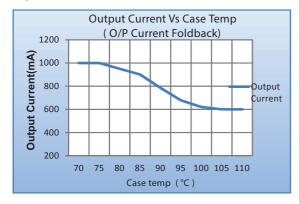
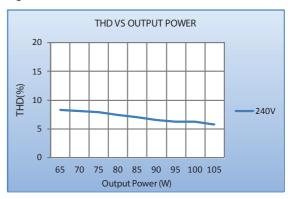


Figure 4



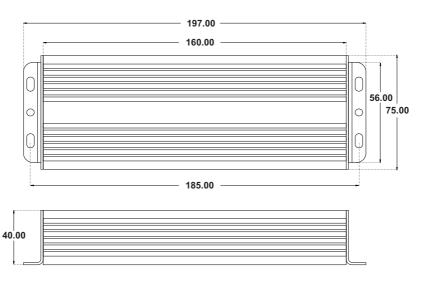


# T12401000-105PB SPECIFICATIONS

TIONS IP 67



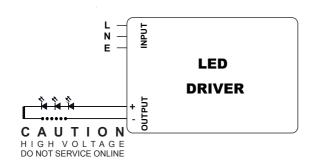
#### **Mechanical Data**



Note: All Dimensions are in mm.

Tolerance=±0.5mm

#### **Wiring Diagrams**



INPUT SIDE	LENGTH	OUTPUT SIDE	LENGTH
BLACK (L)	3-CORE	RED (+)	2-CORE CABLE
WHITE (N)	CABLE	BLUE (-)	300 mm
GREEN (E)	300 mm		