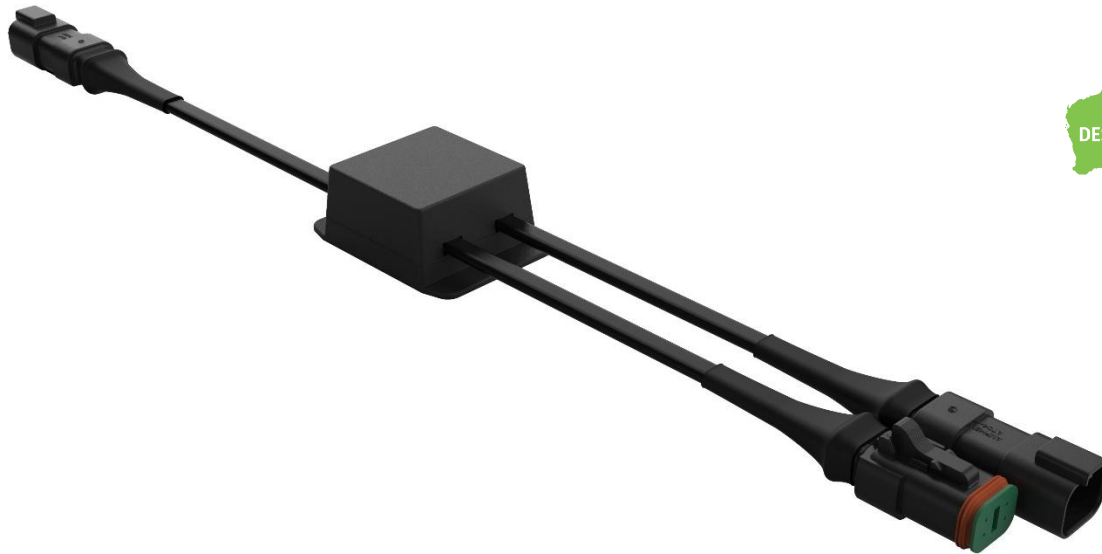


SMART PXL Power Injector (24V/48V)

Provides additional power to your Smart PXL system, enabling support for longer strings with more dots.



Unlock the full potential of your Smart PXL Dot system with the Power Injector — designed to minimise voltage drop and extend the number of dots you can power from each controller output, ensuring consistent performance across every installation.

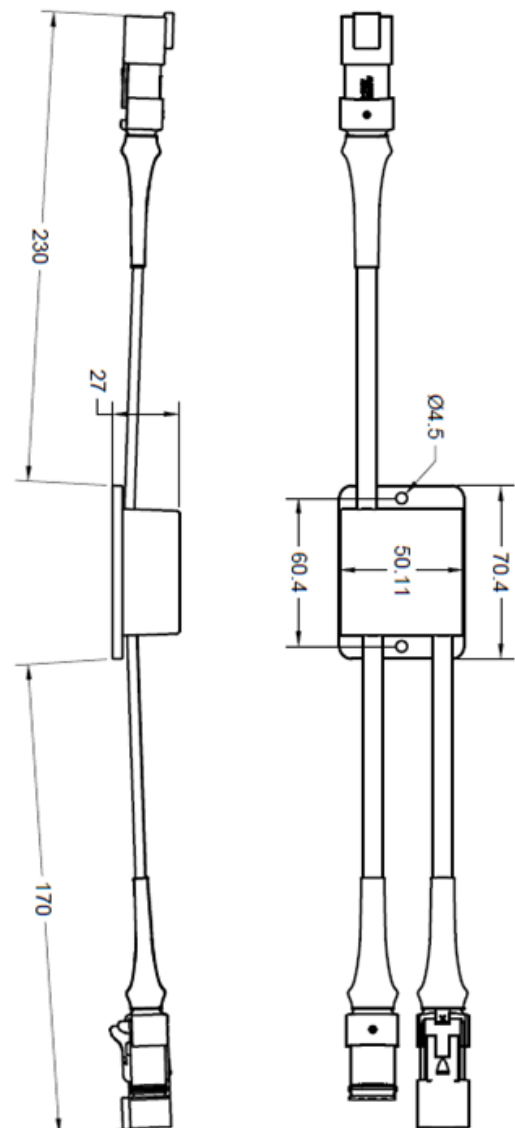
Automotive style connectors with IP67 superior environmental sealing and integrated latching system ensuring a secure and reliable electrical and mechanical connection.

By adding more injectors and power supplies you can keep on extending until you reach the data limit of your system.

Features:

- Inject up to 10A of power to extend the number of dots that can be connected to each pixel controller.
- Voltage transient protection on the VCC and Data+ lines.
- Reverse polarity protection.
- IP67 male & female automotive style connectors with integrated latching system
- PVC cables and connectors are reinforced with industrial grade heat shrinks for enhanced rigidity.
- Black material: UV resistant; White material: Reduced UV resistance.
- Designed for fast, plug-and-play compatibility with ENTTEC Smart PXL Dots.

Physical Dimensions



Specification

IP rating	IP67
Wire Gauge	16AWG: V+ and V- 20AWG: Data
Resistance	0.02Ω
Minimum cable bend radius	80.88mm / 3.18in
Voltage	24V / 48V
Max rated current.	10A
Max power dissipated	1W
Environmental operating temperature	-20°C to 50°C / -4°F to 122°F
UV Resistance	Black: UV resistant. White: Reduced UV resistance.
Body material	Plastic
Conductor Material	Tinned copper
Mounting Hole Diameter	4.5mm / 0.18in Dia
Unit dimensions (mm)	70*51.5*22mm / 2.75*2.02*0.86in
Unit weight	0.14Kg / 0.30lbs
Packaging dimensions	160*140*40mm / 6.30*5.51*1.58in
Shipping weight (Kg)	0.20Kg / 0.44lbs
Warranty	3 year return to base manufacturer warranty

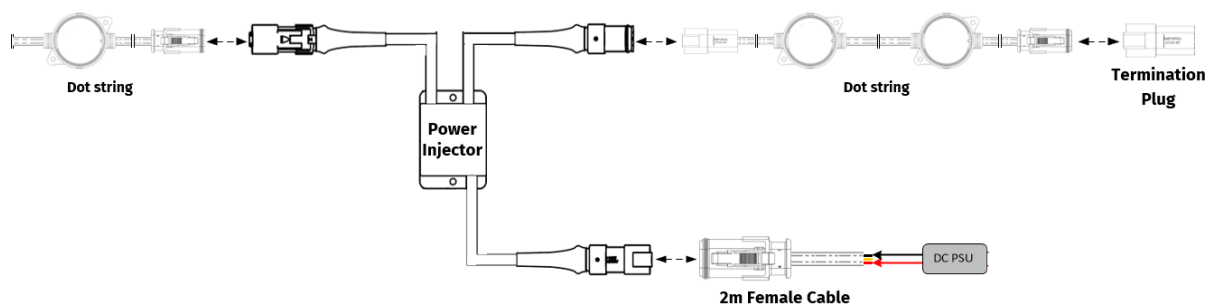
* Tolerance: ±5%

Certification



- Black material: UV resistant; White material: Reduced UV resistance.
- Salt corrosion test (e.g. ASTM B117) is not applicable due to non-metallic, inherently salt resistant body and lens material.

Wiring Diagram



Box Content

- Power injector

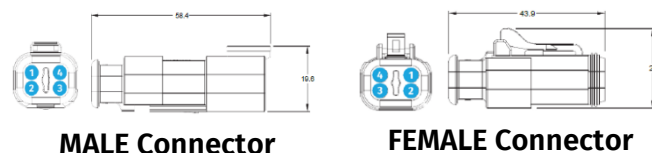
Installation

- Installation, operation & cleaning of this accessory should be carried out in accordance with the Smart PXL Installation guide and adhere to all local electrical standards.
- This accessory contains no user serviceable parts.

Pin Identification Chart

	Cable	0V	DATA	+24Vdc	+48Vdc
24V	Dots In	Pin 1	Pin 2	Pin 3	-
	Dots Out				
	Power Input				
48V	Dots In	Pin 1	Pin 2	-	Pin 4
	Dots Out				
	Power Input				

Pin Output Configuration



Ordering Information

Visit www.enttec.com for further support and browse ENTTEC's range of LED lighting and control products.

Item	Part No.
Power Injector (24V) - Black	73019
Power Injector (48V) - Black	73023
Power Injector (24V) - White	73019-WHITE
Power Injector (48V) - White	73023-WHITE

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Due to constant innovation, information within this document is subject to change.