12V 2.5A 30W TRIAC Mains Dimmable LED Driver

Model TGR1230-IP67-DIM



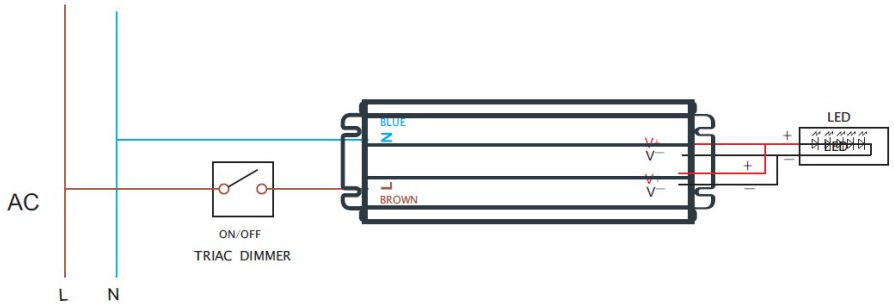
Features:

- Allows dimming of LED lighting such as LED strip
- Wide 180-240vac input voltage
- Soft start and low ripple & noise
- High efficiency – Constant Voltage output
- IP67 rated - Suitable Indoor & Outdoor use
- Power Factor PF > 0.95
- 10cm input and output cables
- Short circuit, over current and over voltage protection
- Meets latest lighting standards EN60958, EN55022 EN55015 Class B, EN61547, EN61000-4-2/3/4/6/8/11
- Operates best with a good quality low load dimmer switch such as the following:
- Varilight JQP401W 1 Gang) / JQP252W (2 Gang) / JQDP303W (3 Gang) / JDQP254W (4 Gang)
- **Miniature size - Case Dimensions: 100 x 33 x 23mm excluding fixing lugs (115mm length including lugs)**

The Tiger Power range of mains dimmable LED drivers are designed for use with good quality, low load dimmer switches such as the Varilight V-Pro series. Compatible with both leading and trailing edge dimmer switches. For optimal dimming results its recommended that the load is between 70 and 100% of the LED driver rating. This 30W unit provides a constant voltage 12V DC output at up to 2.5 amps continuous.

Featuring comprehensive built in protections including short circuit, over current and over voltage with auto recovery once the fault is removed, this LED driver meets latest safety and efficiency standards.

Wiring Diagram



optional accessories

Quickly and easily extend the AC input and DC output cables using our CON-WP-IP68 connectors available as 2 pole and 3 pole options (See data sheets on following pages)



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WATERPROOF CABLE JOINERS

TIGER Power Supplies

Quick Connect Series





Features:

- IP68 Rated – Waterproof – Can be used inside or outside
- Suitable for round cable with a diameter of between 4mm and 10mm
- Can be used for both AC and DC connection
- 2 options - Suitable for either 3 Pole (3 wire) or 2 Pole (2 wire) connection
- Quick Connect terminal block inside makes attaching wires extremely simple & fast
- Suitable for a massive range of applications
- Wiring range 0.5mm to 4mm diameter
- Maximum current: 32A (ensure correct wire is used for application)
- Maximum voltage 450V
- Suitable for cable cross section 0.5mm to 4mm (outside diameter 4mm to 10mm)





2 pin cable joint = Part number CON-WP-IP68-2P-QC

3 pin cable joint = Part number CON-WP-IP68-3P-QC

When each end is fully tightened, each unit has a length of 86mm

When each end cap is fully loosened the total length is 96mm

The connector has a diameter of 29.6mm

The image below shows a breakdown of all the component parts of model CON-WP-IP68-3P-QC which is the 3 pin (3 pole) IP68 rated waterproof cable joiner, part of the -QC series of quick connect cable and wiring accessories. The 2 pin version (part number CON-WP-IP68-2P-QC) is almost identical, only supplied with a 2 input to 2 output terminal inside





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2 pin cable joint = Part number CON-WP-IP68-2P-QC (Black)

3 pin cable joint = Part number CON-WP-IP68-2P-QC-W (White cas

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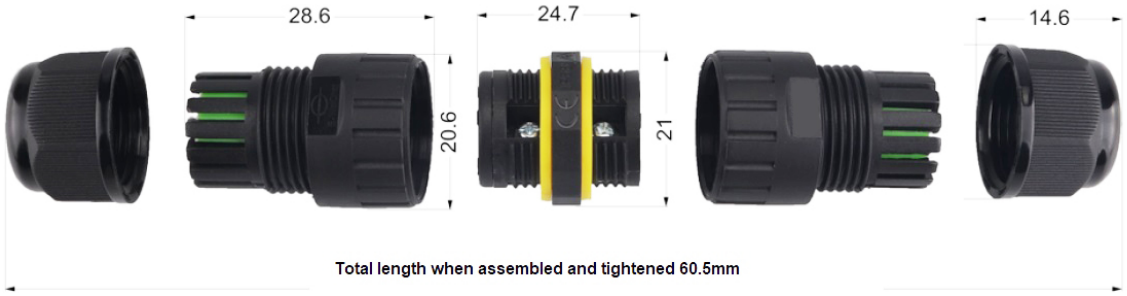
WATERPROOF CABLE JOINT

TIGER PART: CON-WP-IP68-M16

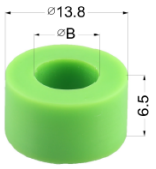


Features:

- IP68 Rated – Waterproof – Can be used inside or outside
- Suitable for round cable with a diameter of between 3.5mm and 10mm
- Can be used for both AC and DC connection
- Suitable for both 3 Pole (3 wire) or 2 Pole (2 wire) connection
- Makes extending the input or output cable on waterproof LED drivers quick
- Can be used for a massive range of applications
- Only need a screwdriver to connector wires. 3 screw terminals for 3 wires max.
- Plastic housing: PA66, UL94-V2 450V
- Operation temperature:-35℃~105℃
- Storage temperature:-30℃~85℃
- Grade of waterproofing: IP68
- Maximum current:17.5A (400v)
- Safety Approved TUV-CE
- Suitable for cable cross section 0.5mm to 1.5mm (outside diameter 3.5mm to 10mm)







ØB	Wire OD
ø10.2	ø7-10mm
ø6.5	ø3.5-7mm



3 Pins

4 pieces of silicon inserts are supplied for each connector. 2 pieces. This consists of 2 pcs of the 7mm to 10mm insert and 2 pieces of the 3.5mm to 7mm insert as shown in the table above. Connector supplied as image to the left.

The middle section includes a 3 pole screw terminal on each side which can be used to join either 3 wire or 2 wire AC or DC cables.

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