LED Gear 350-1050mA 25-60W 1-10/PD
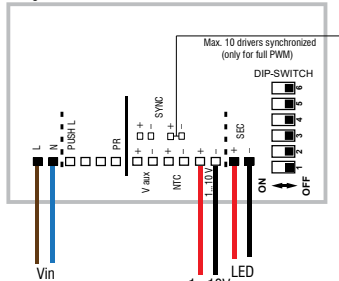
12406730

MODULAR LIGHTING — INSTRUMENTS
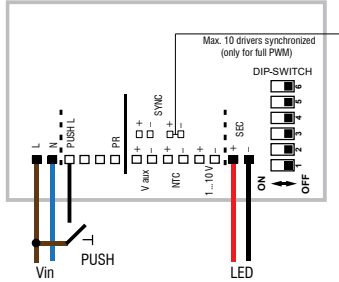
PUSH diagram

1...10V diagram

350mA	25W (25W [(2)])	2-74Vdc	ON / OFF	1 2 3 4 5 6
500mA	35W (35W [(2)])	2-72Vdc	ON / OFF	1 2 3 4 5 6
700mA	50W (40W [(2)])	2-72Vdc	ON / OFF	1 2 3 4 5 6
900mA	60W (40W [(2)])	2-66Vdc	ON / OFF	1 2 3 4 5 6
1050mA	60W (40W [(2)])	2-57Vdc	ON / OFF	1 2 3 4 5 6

PRI/SEC 6 - 7 mm ☐ 0,75 - 2,5mm² 26-14AWG

1...10V/NTC/Vaux 4,5 - 5,5 mm ☐ 0,75 - 1,5mm² 20-18AWG

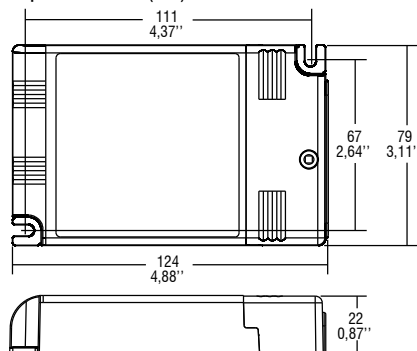PUSH L/DA/PR 8 - 9 mm ☐ 0,75 - 1,5mm² 20-18AWG

FUNCTION OF PR TERMINAL

Sometimes there are some glowing effects due to the leakage current produced by combination of wires and metal surface. thanks to connection between PR terminal and ground it is possible to reduce or eliminate this effect.

Ø84 3,31''

h ≥ L + 30 mm / 1,18"

Compatible with ZHAGA (AM3)

111 4,37''
124 4,88''
67 2,64''
79 3,11''
22 0,87''

For serial connection, respect polarity!

⊕ RED   ⊖ BLACK

Operating Mode

- Light regulation 0/0,5 - 100% by means of PUSH function, 1...10V interface (I=1mA) or 100 Kohm potentiometer
- Features PUSH dimming: (mains voltage)
  a short push to turn on and off
  a longer push to increase or decrease light intensity regulation automatically stops at minimum or maximum values for another on regulation or off command, release the push button and give the desired command again
- Possibility to use PUSH function to 4/5 drivers without sync cable
- Maximum length of the cable, from the push button to last driver, must be max. 15 m / 49 ft. In case of application where the cable is longer keep this separate from the 110-240 Volt mains cable.
- ATTENTION: only use normally open push buttons with no incorporated warning light
- Specific dimming terminal connection with a 1...10Vdc electronic potentiometer (1...10V local dimming, double insulation required for external connection).
- only for full PWM: Max. 10 drivers synchronization is possible, command only one driver (1 master + 9 slaves) - synchronization cable 4m is sepperately supplied (12400100) Only for full PWM dimming.
- PUSH re-synchronization: when the drivers are switched on, press the PUSH key for more than 1 second (long PUSH) followed with a short push (<1s). now the devices are switched off, do a long PUSH, the system will now be resynchronized.
- Short circuit 1...10V port for at least 5 seconds to reset the device to ON/OFF & 1...10V modes
- Connect PR terminal to ground to prevent glowing
- Default dimming AM+PWM: 1-25% PWM 2kHz + 25-100% AM (no sync)
- Full PWM dimming (240Hz 1-100%) available by short circuit of NTC port during switch on of the driver. Same operation to reset to AM+PWM

Rated Voltage
110 ÷ 127 V [(2)]
220 ÷ 240 V

Frequency
50...60 Hz

AC Operation range
99 ÷ 264 V

DC Operation range
DC 170 ÷ 276 V
(NO PUSH mode function)

Power
0 ÷ 60 W

Temperature
Tc = 90°C
Ta = -25...+50°C

max. Efficiency
> 92 [(1)]
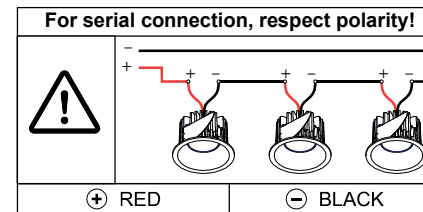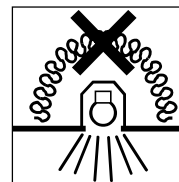
Maximum current output ripple
≤ 3% [(1)]

Reference Norms
CSA C22.2 no. 107.1 [(2)]
CSA C22.2 no. 250.13 [(2)]
EN 50172 (VDE 0108)
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384
EN 62386-101
EN 62386-102
EN 62386-207
UL 1012 [(2)] / UL 8750 [(2)]

CAN BE USED WITH
Fixtures:
see driver matrix - latest version on website www.supermodular.com or check sales contact

[(1)] Referred to V_{in} = 230V, 100% load
[(2)] Rated Voltage 110 ÷ 127 V

SAA-141682-EA

SELV   IP 20   1-10V   PUSH

02 - 20/11/2018