

Direct current dimmable electronic drivers with DIP-SWITCH



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

Frequency
50-60 Hz

AC Operation range
99 ÷ 264 V

DC Operation range
(see page info15)
DC 170 ÷ 276 V
(NO PUSH mode
function)

Power
1 ÷ 60 W

iTHD
≤ 10%⁽¹⁾

Output current ripple
≤ 3%⁽¹⁾

Standards compliance
CSA-C22.2 n° 107.1⁽²⁾
CSA-C22.2 n° 250.13⁽²⁾
EN 50172 (VDE 0108)
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384
UL 1012⁽²⁾
UL 8750⁽²⁾

Max. pcs for CB B16A
(see page info17)
30 pcs

In rush current
10A 200µsec

Article	Code	Dimming type	P out W	V out DC ⁽¹⁾	I out DC	U out V	ta °C	tc °C	λ max. Power Factor	η max. Efficiency ⁽¹⁾
DCM AXI JOLLY US	127411 ⁽⁴⁾	AM/PWM	25 (25 ⁽²⁾)	2...74	350 mA cost.	90	-25...+50 -25...+55 ⁽³⁾	90	0,95	> 92
			35 (35 ⁽²⁾)	2...72	500 mA cost.					
			39 (39 ⁽²⁾)	2...72	550 mA cost.					
			46 (40 ⁽²⁾)	2...72	650 mA cost.					
			50 (40 ⁽²⁾)	2...72	700 mA cost.					
			54 (40 ⁽²⁾)	2...72	750 mA cost.					
			60 (40 ⁽²⁾)	2...70	850 mA cost.					
			60 (40 ⁽²⁾)	2...66	900 mA cost.					
			60 (40 ⁽²⁾)	2...60	1,00 A cost.					
60 (40 ⁽²⁾)	2...57	1,05 A cost.								




⁽¹⁾ Referred to V_m = 230 V, 100% load

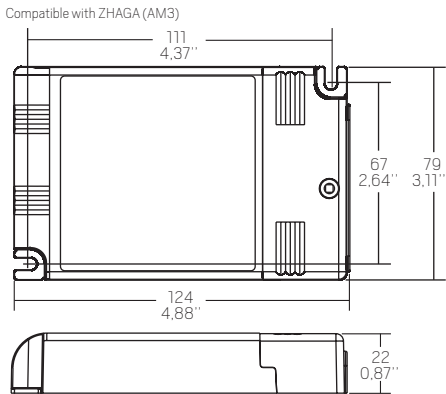
⁽⁶⁾ 127411BIS - 151411BIS :
order codes for BIS marked products

Features

- Multipower driver supplied with dip-switch for the selection of the output current.
- IP20 independent driver, for indoor use (DC MAXI JOLLY US).
- Class II protection against electric shock for direct or indirect contact (DC MAXI JOLLY US).
- Driver for built-in use (DC MAXI JOLLY US BI).
- It can be used for lighting equipment in protection class I and II (DC MAXI JOLLY US BI).
- Active Power Factor Corrector.
- Analogical input (NTC) for thermal sensor connection.
- Auxiliary output 12 V max. 100 mA.
- Current regulation ff15 % including temperature variations.
- Input and output terminal blocks on the same side (wire cross-section up to 2,5 mm² / AWG13).
- Clamping screws on primary and secondary circuits for cables with diameter: min. 3 mm - max. 8 mm (DC MAXI JOLLY US).
- Protections:
 - against overheating and short circuits;
 - against mains voltage spikes;
 - against overloads.
- Thermal protection = C.5.a.

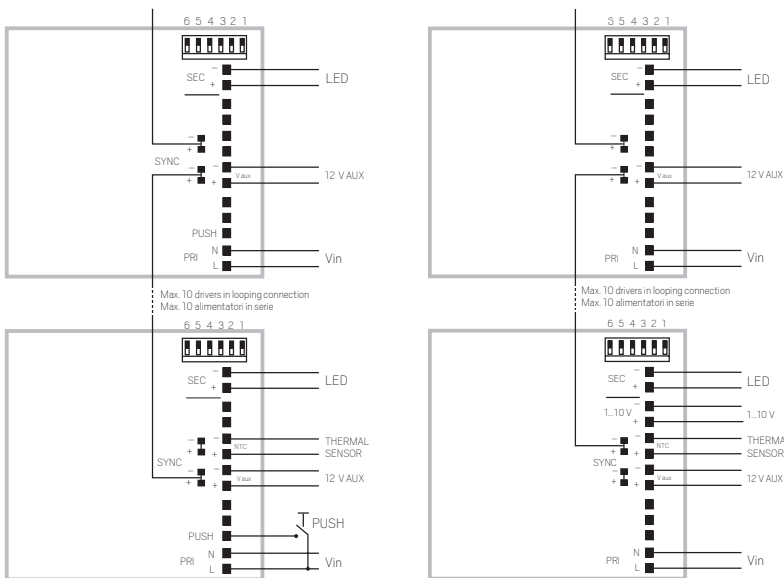
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 Weight - gr. 210 / 7.4 oz.
 Pcs - 50



Wiring diagram

(Max. LED distance on page info8)



PUSH diagram

1..10 V diagram

⁽⁴⁾ SYNC only for FULL PWM setting.

⁽⁴⁾ SYNC only for FULL PWM setting.

Operation Mode

- Light regulation 0/1 - 100 % by means of PUSH function, 0/1...10 V interface (I=1 mA) or 100 Kohm potentiometer.
- ⁽⁴⁾ Default dimming AM+PWM : 1-25% PWM 2 kHz+25-100% AM (NO SYNC).
- ⁽⁴⁾ Full PWM dimming (240 Hz - 1-100%) available by short circuit of NTC port during switch on of the driver. Same operation to reset to AM+PWM.
- Light regulation 0/1 - 100 % by means of PUSH function (mains voltage):
 - a short push to turn on and off;
 - a longer push to increase or decrease light intensity;
 - regulation automatically stops at minimum and maximum values;
 - for another on, regulation or off command, release the push button and give the desired command again;
 - dimming level memory at mains restore.
- Possibility to use PUSH function to 4/5 drivers without sync cable.
- Maximum length of the cable, from push button to last driver, must be max. 15 m / 49 ft. In case of applications where the cable is longer than 15 m / 49 ft, keep this separate from the 110 - 240 Volt mains cable.
- ATTENTION: only use normally open push buttons with no incorporated warning light.
- Short circuit 1...10V port for at least 5 sec to reset the device to ON/OFF & 0/1-10V modes.
- Specific dimming terminal connection with a 0/1...10 Vdc electronic potentiometer (0/1...10 V local dimming, double insulation required for external connection).
- Max. 10 synchronised drivers of which only one can be controlled (1 Master + 9 Slaves of any JOLLY Series). Only for full PWM dimming ⁽⁴⁾.
- Synchronization cable supplied separately.
- Regulation is possible by means of DALI and DMX coupled with DALI/DMX INTERFACE.

For additional details for regulations see pages info12-14.