MP 55 / 120 HC

Direct current electronic drivers with DIP-SWITCH
Alimentatori elettronici in corrente continua con DIP-SWITCH

Made in Italy

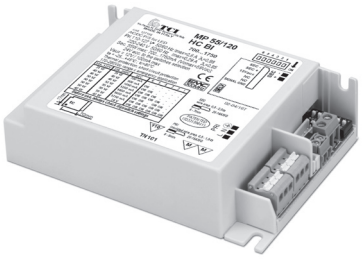
constant CURRENT | constant VOLTAGE

UL-CLASS2 (3) CSA-LVLE | 110 | M M | EL | SELV 60V

RIPPLE FREE | Pst LM ≤ 1 SVM ≤ 0,4



MP 55/120 HC/2



MP 55/120 HC BI

2kV DIFF. 4kV COMM. | ACTIVE PFC | DIP-SWITCH | 12V AUX. 100 mA | SEC. SWITCH | SAFETY PROTECTIONS

Article Articolo	Code Codice	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)
MP 55/120 HC/2 (4)	127154	**Constant current output - Uscita in corrente costante**				-25...+40(4) -25...+45	80	0,98	90 %
MP 55/120 HC BI (3)	127156	31 (31(2))	2...44	700 mA cost.	59				
		40 (40(2))	2...44	900 mA cost.					
		46 (46(2))	2...44	1,05 A cost.					
		52 (50(2))	2...44	1,2 A cost.					
		55 (50(2))	2...39	1,4 A cost.					
		55 (50(2))	2...34	1,6 A cost.					
		55 (50(2))	2...31	1,75 A cost.					
		Constant voltage output - Uscita in tensione costante							
		42 (42(2))	24 cost.	1,75 A cost.	-				

(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%
(4) 110-127Vac : Ta_{max} = 40°C
220-240Vac : Ta_{max} = 45°C
Light output level in DC operation: Factory default 100% EOFi=1
Livello di emissione luminosa in funzionamento DC: Impostazioni di fabbrica 100% EOFi=1

Accessories not supplied - Accessori non a corredo		
Article - Articolo	**L** (length)	**Code - Codice**
6-pin cable for LED and AUX Cavo 6 poli per LED e AUX	50 cm / 19,68"	425720017

Rated Voltage
Tensione Nominale
110 ÷ 127 V (2)(3)
220 ÷ 240 V

Frequency
Frequenza
50-60 Hz

AC Operation range
Tensione di utilizzo AC
99 ÷ 264 V

DC Operation range
Tensione di utilizzo DC
(see page info15)
170 ÷ 280 V

Power - Potenza
1 ÷ 55 W

iTHD
≤ 15% (1)

Output current ripple
≤ 3% (1)

Standards compliance
CSA-C22.2 n° 223 (2)(3)
CSA-C22.2 n° 250.13 -14 (2)(3)
EN 55015
EN 61000-3-2
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384
UL 1310 (2)(3)
UL 8750 (2)(3)
VDE 0710-T14

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

In rush current
10A 200μsec

7 YEARS WARRANTY 3% FAILURE RATE | 10 YEARS WARRANTY 5% FAILURE RATE

PRODUCER'S LIABILITY | COVERED WITH ELECTRONIC WARRANTY 10 YEARS 10 ACCORDING TO TCI CATALOGUE CONDITIONS

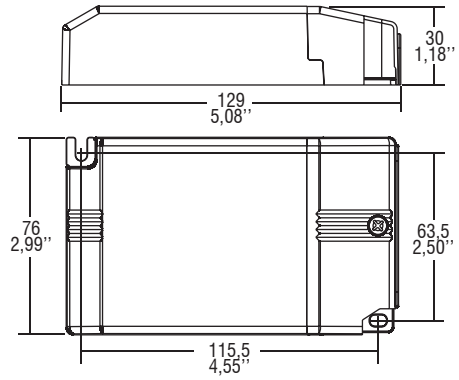
Features
- Multipower driver supplied with dip-switch for the selection of the output current.
- IP20 independent driver, for indoor use (MP 55 /2).
- Class I protection against electric shock for direct or indirect contact (MP 55 /2).
- Driver for built-in use (MP 55 BI).
- It can be used for lighting equipment in protection class I (MP 55 BI).
- Active Power Factor Corrector.
- J50 connection for 12 V auxiliary output.
- Current regulation ±5 % including temperature variations.
- Input and output terminal blocks on the same side (wire cross-section up to 1,5 - 2,5 mm² / AWG15 - AWG13).
- Clamping screws on primary and secondary circuits for cables with diameter: min. 3 mm - max. 8 mm (MP 55 /2).
- Driver can be secured with slot for screws.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a.

Caratteristiche
- Alimentatore multipotenza fornito di dip-switch per la selezione della corrente in uscita.
- Alimentatore indipendente IP20, per uso interno (MP 55 /2).
- Protetto in classe I contro le scosse elettriche per contatti diretti e indiretti (MP 55 /2).
- Alimentatore da incorporare (MP 55 BI).
- Utilizzabile per apparecchi di illuminazione in classe di protezione I (MP 55 BI).
- PFC attivo.
- Collegamento J50 per uscita ausiliare 12V.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 1,5 - 2,5 mm² / AWG15 - AWG13).
- Serracavo su primario e secondario per cavi di diametro: min. 3 mm - max. 8 mm (MP 55 /2).
- Fissaggio dell'alimentatore tramite asole per viti.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a.

Direct current electronic drivers with DIP-SWITCH
Alimentatori elettronici in corrente continua con DIP-SWITCH

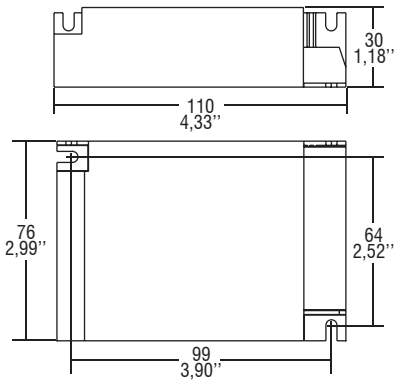
Made in Italy

IP 20 | SCREW FIXING | Ø90 3,54'' | Weight - Peso gr. 236 / 8,3 oz. Pcs - Pezzi 35

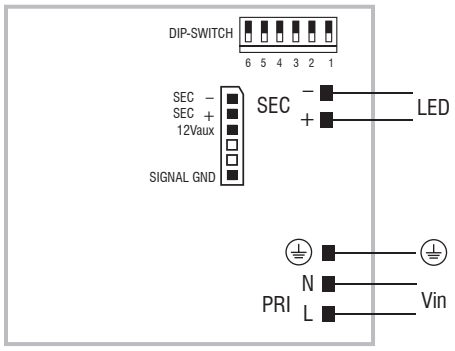


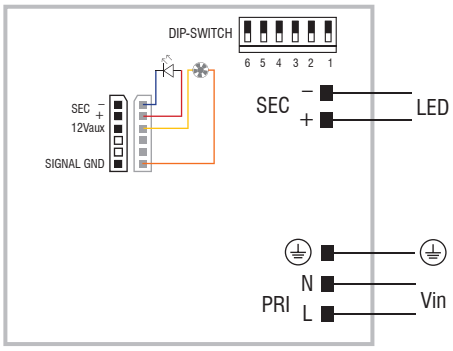
BUILT-IN | SCREW FIXING | Weight - Peso gr. 226 / 8 oz. Pcs - Pezzi 40

Compatible with ZHAGA (AM2)



Wiring diagram - Schema di collegamento (Max. LED distance on page info8 - Massima distanza LED a pagina info8)





J50 diagram - Collegamento J50

2.1

Multipower drivers - Compact case - Not dimmable
Alimentatori multipotenza - Formato compatto - Non regolabili