SMART 50

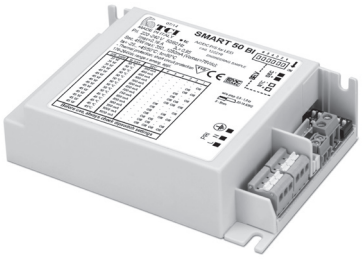
Direct current electronic drivers with DIP-SWITCH
Alimentatori elettronici in corrente continua con DIP-SWITCH

Made in Italy

constant CURRENT

Pst LM ≤ 1
SVM ≤ 0,4


SMART 50


SMART 50 BI

2kV DIFF. 2kV COMM. | ACTIVE PFC | DIP-SWITCH | NTC INPUT | SEC. SWITCH | SAFETY PROTECTIONS

Article Articolo	Code Codice	P out W	V out DC	I out DC	U out V	ta °C	tc °C	λ max. Power Factor	η max. Efficiency[1]
SMART 50 [2]	122220 122220CC[3]	27	18...78	350 mA cost.	85	-25...+50	90	0,95	> 90 %
		31	18...78	400 mA cost.					
SMART 50 BI	122219 122219CC[3]	35	18...78	450 mA cost.					
		39	18...78	500 mA cost.					
		43	18...78	550 mA cost.					
		45	18...75	600 mA cost.					
		47	18...72	650 mA cost.					
		50	18...71	700 mA cost.					
		50	18...66	750 mA cost.		-25...+45			
		50	18...62	800 mA cost.					
		50	18...59	850 mA cost.					
		50	18...55	900 mA cost.					
		50	18...53	950 mA cost.					
		50	18...50	1 A cost.					
		50	18...48	1,05 A cost.					

[1] Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%
[3] With conformal coating - Con tropicalizzazione

Light output level in DC operation: Factory default 100% EOFi=1
Livello di emissione luminosa in funzionamento DC: Impostazioni di fabbrica 100% EOFi=1

Rated Voltage
Tensione Nominale
220 ÷ 240 V

Frequency
Frequenza
50-60 Hz

AC Operation range
Tensione di utilizzo AC
198 ÷ 264 V

DC Operation range
Tensione di utilizzo DC
(see page info15)
196 ÷ 250 V

Power - Potenza
5 ÷ 50 W

iTHD
≤ 30% [1]

Output current ripple
± 20 % [1]

Standards compliance
EN 55015
EN 61000-3-2
EN 61347-1
EN 61347-2-13
EN 61547

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

In rush current
5A 50μsec

Features
- Multipower driver supplied with dip-switch for the selection of the output current.
- IP20 independent driver, for indoor use (SMART 50).
- Class I protection against electric shock for direct or indirect contact (SMART 50).
- Driver for built-in use (SMART 50 BI).
- Active Power Factor Corrector.
- It can be used for lighting equipment in protection class I.
- Analogical input (NTC) for thermal sensor connection.
- Current regulation ±5 % including temperature variations.
- Input and output terminal blocks on the same side (wire cross-section up to 1,5 mm² / AWG15).
- Clamping screws on primary and secondary circuits for cables with diameter: min. 2 mm - max. 9 mm (SMART 50).
- 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 (SMART 50).
- Protetto in classe I contro le scosse elettriche per contatti diretti e indiretti (SMART 50).
- Alimentatore da incorporare (SMART 50 BI).
- PFC attivo.
- Utilizzabile per apparecchi di illuminazione in classe di protezione I.
- Entrata analogica (NTC) per connessione sensore termico.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 1,5 mm² / AWG15).
- Serracavo su primario e secondario per cavi di diametro: min. 2 mm - max. 9 mm (SMART 50).
- 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.

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

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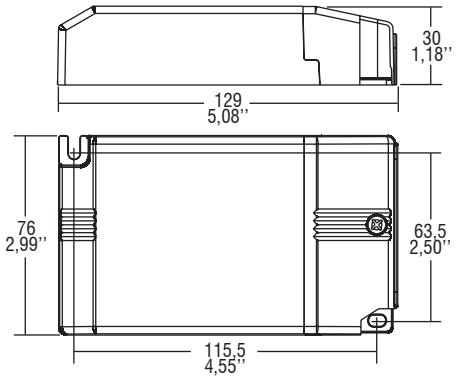
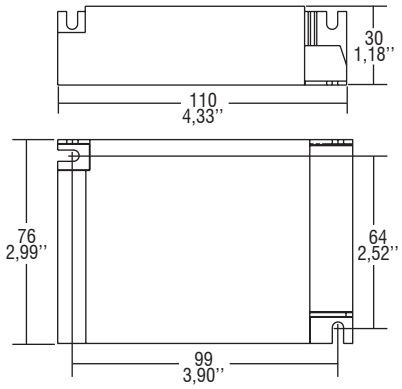
IP 20 | SCREW FIXING | Ø90 3,54'' | Weight - Peso gr. 235 / 8,3 oz. Pcs - Pezzi 35



BUILT-IN | SCREW FIXING | Weight - Peso gr. 166 / 5,86 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)