



Product data

Specification item	Value	Unit
Product name	MP 120/700 SLIM	
Order code	127676	
EAN (GTIN)	8010703395718	
Pieces per box	72	
Product weight	140	Gr
Made in	Italy	

Electrical input data

Specification item	Value	Unit	Condition
Rated input voltage	220...240	Vac	
Input voltage AC range	198...264	Vac	
Input voltage DC range	176...276	Vdc	Factory default 100% EOFi= 1
Rated input frequency	50...60	Hz	
Rated input current	0,553	A	Referred to Vin = 230 V, 100% load
Rated input power	126,29	W	Referred to Vin = 230V, 100% load
Power factor	0,95	λ	Pout > 43W
THD	< 10	%	Referred to Vin = 230 V, 100% load
Efficiency	94	%	Referred to Vin = 230 V, 100% load
Isolation input to output	NOT-SELV		

Electrical output data

Specification item	Value	Unit	Condition
Regulation method	Constant Current		
Output voltage	60...243	Vdc	
Output voltage max.	250	V	Open load
Output current	325...700	mA	
Output current min programmable	325	mA	
Output current tolerance +/-	5/10	%	
Output power	20...120	W	
Output current ripple	< 3	%	
Output Pst LM	< 1		
Output SVM	< 0,4		

Label

Labels are for illustrative purposes only and may differ from the actual product

L
 N
 P
 R
 I
TCI
 MADE IN ITALY 01-47/25-
 via Parma 14
 21047 Saronno (VA) Italy
 www.tci.it, tci@tci.it
MP 120/700 SLIM
 AC/DC PIS for LED
 cod.127676

PRI: 220-240V~ 50-60Hz I_{max}= 0,65A
 $\lambda = 0,8 \text{ C} - 0,98 (0,95@P_{oz43W})$
 SEC: 325-700mA; U_{out}= 350V^{***}; Prated= 19,5-120W
 ta= -25...60°C; tc=90°C (325-600mA)
 ta= -25...55°C; tc=90°C (625-700mA)
 176-276V^{***} for emer. application; I_{max}= 0,7A
 U_{out}= 350V^{***}

SEC	Vomax	Pomax	1	2	3	4	SEC	Vomax	Pomax	1	2	3	4
325 mA	243 V	79 W	-	-	-	-	625 mA	229 V	120 W	ON	-	-	-
350 mA	243 V	85 W	-	-	-	ON	550 mA	219 V	120 W	ON	-	-	ON
375 mA	243 V	91 W	-	-	-	ON	675 mA	209 V	120 W	ON	-	-	ON
400 mA	243 V	97 W	-	-	-	ON	600 mA	200 V	120 W	ON	-	-	ON
425 mA	243 V	103 W	-	-	-	ON	625 mA	192 V	120 W	ON	ON	-	-
450 mA	243 V	109 W	-	-	-	ON	650 mA	185 V	120 W	ON	ON	-	-
475 mA	243 V	115 W	-	-	-	ON	675 mA	178 V	120 W	ON	ON	-	-
500 mA	242 V	120 W	-	-	-	ON	700 mA	172 V	120 W	ON	ON	-	-

Before use, always check SW1 dipswitch settings

0.2 - 1.5 ON
 8,5 - 9,5mm
 SW1 1 2 3 4
 GMA-510630
 SEC +
 170mm
 tc

Operating window 230V

Pout W	Vout DC	Iout mA
79	60...243	325
85	60...243	350
91	60...243	375
97	60...243	400
103	60...243	425
109	60...243	450
115	60...243	475
120	60...242	500
120	60...229	525
120	60...219	550
120	60...209	575
120	60...200	600
120	60...192	625
120	60...185	650
120	60...178	675
120	60...172	700

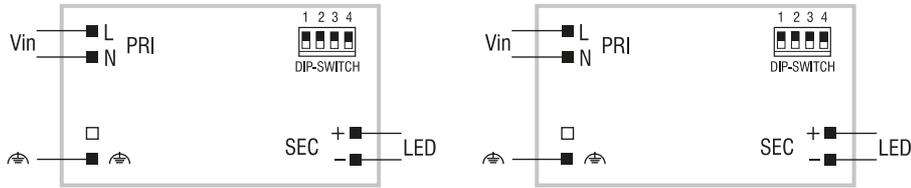
Electrical data controls input

Specification item	Value	Unit	Condition
Control method	ON - OFF		

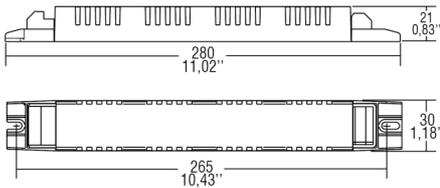
Wiring and connections

Specification item	Value	Unit	Condition
Input wire cross section	0.2...1.5 / 24...15	mm ² / AWG	
Input wire strip length	8.5...9.5	mm	
Output wires cross section	0.2...1.5 / 24...15	mm ² / AWG	
Output wire strip length	8.5...9.5	mm	
Max. cable length		cm	Max. LED distance see page info 8

Wiring diagrams



Dimensions



Insulation

Specification item	Output	Controls	Earth
Input	Not insulated	N/A	Basic

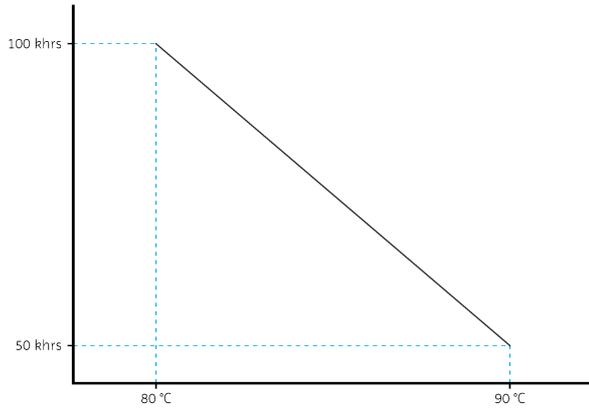
Operation temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-25...60	°C	$I_{out} > 600\text{mA}$ $T_a = -25...55^\circ\text{C}$
T_c	90	°C	Maximum temperature measured at T_c point
Maximum housing temperature	110	°C	In case of failure

Storage temperature and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-30...85	°C	
Relative humidity	5...85	%	Non condensing

Temperature/Life



Programmable features

Specification item	Available	Default setting	Condition
Set Adjustable Output Current (AOC)	DIP-SWITCH	325mA	

Features

Specification item	Value	Condition
Open load	Yes	
Short circuit	Yes	
Over load and thermal protection	Yes	C.5.a
Hot plug	No	
Suitable for fixtures with protection class	class I/II	

In rush current

Specification item	Value	Unit	Condition
In rush current	45 / 100	A / usec	
Drivers / MCB 16A type B	30	pcs	

Driver touch current / protective conductor current

Specification item	Value	Unit	Condition
Typical Protective Conductor Current	0,07	mA	

Surge immunity

Specification item	Value	Unit	Condition
Mains surge immunity (diff. mode)	1	kV	
Mains surge immunity (comm. mode)	2	kV	

Application info

Specification item	Value
Approval marks	CE ENEC EAC RCM UKCA
Application	Indoor linear not dimmable
Mounting type	Built-in

Performance curves

