



## Product data

Specification item	Value	Unit
Product name	MP 80/500 SLIM	
Order code	122214I	
EAN (GTIN)	8010703382206	
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	0,377	A	Referred to Vin = 230 V, 100% load
Rated input power	85,32	W	Referred to Vin = 230V, 100% load
Power factor	0,95	$\lambda$	Pout > 46W
THD	< 10	%	Referred to Vin = 230 V, 100% load
Efficiency	93	%	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	30...210	Vdc	
Output voltage max.	250	V	Open load
Output current	350...500	mA	
Output current min programmable	350	mA	
Output current tolerance +/-	5/10	%	
Output power	10...80	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

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**TCI**  
 MADE IN ITALY  
 via Piave 14  
 21047 Saronno(VA) Italy  
 www.tci.it, tci@tci.it  
**MP 80/500 SLIM**  
 AC/DC PIS for LED  
 LED照明装置  
 cod. 122214I

PR: 220-240V ~ 0/50-60Hz Imax= 0,4A  
 $\lambda = 0,75 \text{ C} - 0,98 (0,95@Poz46W)$   
 SEC: 350-500mA (C.C.); \*Vomin=30V rms  
 Uout= 340V rms; Prated= 10,5-80W  
 Ambient temperature= -25...50°C; Ic= 85°C  
 176-276V rms for emer. application; Imax= 0,5A  
 Uout= 430V rms  
 176-276V rms 用于应急照明; Imax= 0,5A  
 Uout= 430V rms  
 Short circuit protection 短路保护

SEC	Vomax	Pomax	1	2	3	4	SEC	Vomax	Pomax	1	2	3	4
350 mA	210 V	73,5 W	-	-	-	-	430 mA	186 V	80 W	ON	-	-	-
360 mA	210 V	75,6 W	-	-	-	ON	440 mA	181 V	80 W	ON	-	-	ON
370 mA	210 V	77,7 W	-	-	-	ON	450 mA	177 V	80 W	ON	-	-	ON
380 mA	210 V	80 W	-	-	-	ON	460 mA	174 V	80 W	ON	-	-	ON
390 mA	205 V	80 W	-	-	-	ON	470 mA	170 V	80 W	ON	-	-	-
400 mA	205 V	80 W	-	-	-	ON	480 mA	166 V	80 W	ON	ON	-	-
410 mA	195 V	80 W	-	-	-	ON	490 mA	163 V	80 W	ON	ON	ON	-
420 mA	190 V	80 W	-	-	-	ON	500 mA	160 V	80 W	ON	ON	ON	ON

Before use, always check SW1 dipswitch settings 每次使用前请检查拨码开关SW1的设置

## Operating window 230V

Pout W	Vout DC	Iout mA
73,5	30...210	350
75,5	30...210	360
77,5	30...210	370
80	30...210	380
80	30...205	390
80	30...200	400
80	30...195	410
80	30...190	420
80	30...186	430
80	30...181	440
80	30...177	450
80	30...174	460
80	30...170	470
80	30...166	480
80	30...163	490
80	30...160	500

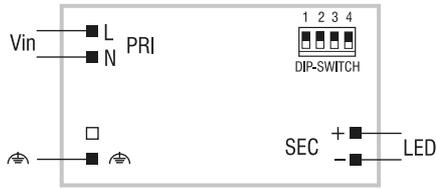
## Electrical data controls input

Specification item	Value	Unit	Condition
Control method	ON - OFF		

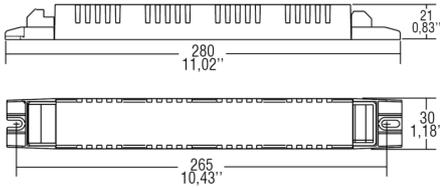
## Wiring and connections

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

## Wiring diagram



## Dimensions



## Insulation

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

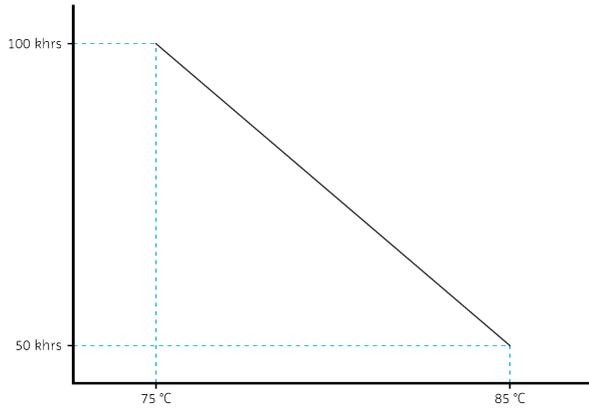
## Operation temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-25...50	°C	
Tc	85	°C	Maximum temperature measured at Tc 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	350mA	

**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 CCC
Application	Indoor linear not dimmable
Mounting type	Built-in

## Performance curves

