



## Product data

Specification item	Value	Unit
Product name	MPSE 55/700 SLIM	
Order code	127526	
EAN (GTIN)	8010703388383	
Pieces per box	84	
Product weight	112	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	0,265	A	Referred to Vin = 230 V, 100% load
Rated input power	59,65	W	Referred to Vin = 230V, 100% load
Power factor	0,95	$\lambda$	Pout >27W
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	50...140	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	16...55	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

**TCI**
  
 MADE IN ITALY
   
 via Parma 14, 21047 Saronno(VA)
   
 Italy, www.tci.it, tci@tci.it

**MPSE 55/700 SLIM**
  
 AC/DC P/S for LED
   
 T47/25-02 cod.127526

PRI: 220-240V~ 50-60Hz I<sub>max</sub>=0,31A
   
 $\lambda = 0,88 \text{ C} - 0,98 (0,95@P_{oz}27W)$ 
  
 SEC: 325-700mA; Prated= 16,25-55W; U<sub>out</sub>= 360V ===
   
 I<sub>out</sub>= 325-625mA; t<sub>a</sub>= -25...50°C; t<sub>c</sub>= 85°C
   
 I<sub>out</sub>= 650/675/700mA; t<sub>a</sub>= -25...50°C; t<sub>c</sub>= 90°C
   
 176-276V === emer. application; I<sub>max</sub>=0,35A; U<sub>out</sub>=410V ===

SEC	Vo	Pomax	1	2	3	4
325 mA	50-140V	45,5 W	-	-	-	-
350 mA	50-140V	49 W	-	-	-	ON
375 mA	50-140V	52,5 W	-	-	ON	-
400 mA	50-138V	55 W	-	-	ON	ON
425 mA	50-130V	55 W	-	ON	-	-
450 mA	50-123V	55 W	-	ON	-	ON
475 mA	50-116V	55 W	-	ON	ON	-
500 mA	50-110V	55 W	-	ON	ON	ON

GMA-510630
   
 Before use, always check SW1 dipswitch settings

## Operating window 230V

Pout W	Vout DC	Iout mA
45,5	50...140	325
49	50...140	350
52,5	50...140	375
55	50...138	400
55	50...130	425
55	50...123	450
55	50...116	475
55	50...110	500
55	50...105	525
55	50...100	550
55	50...96	575
55	50...92	600
55	50...88	625
55	50...85	650
55	50...82	675
55	50...79	700

## Electrical data controls input

Specification item	Value	Unit	Condition
Control method	ON - OFF		

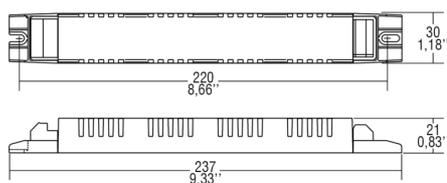
## Wiring and connections

Specification item	Value	Unit	Condition
Input wire cross section	0.2...1.5 / 24...15	mm <sup>2</sup> / AWG	
Input wire strip length	7.5...8.5	mm	
Output wires cross section	0.2...1.5 / 24...15	mm <sup>2</sup> / AWG	
Output wire strip length	7.5...8.5	mm	
Max. cable length		cm	Max. LED distance see page info 8

## Wiring diagram



## Dimensions



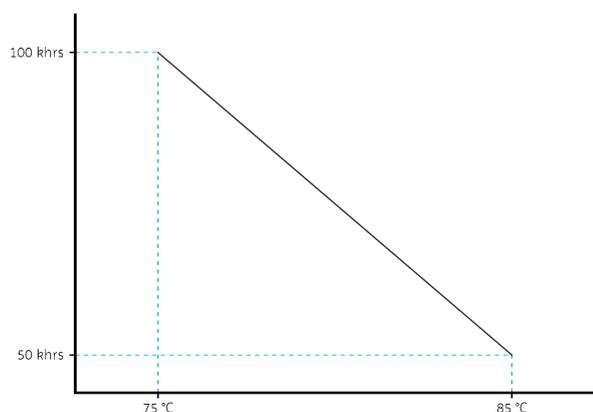
## Insulation

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, Iout > 625mA Tc = 90°C
Maximum housing temperature	110	°C	In case of failure

## Temperature/Life



## Storage temperature and humidity

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

## 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	
Emergency Lighting (EL)	Yes	

## 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)	2	kV	
Mains surge immunity (comm. mode)	4	kV	

## Application info

Specification item	Value
Approval marks	CE ENEC EAC RCM UKCA
Application	Indoor linear
Mounting type	Built-in

## Performance curves

