



## Product data

Specification item	Value	Unit
Product name	DC MINI JOLLY LC DALI	
Order code	151395	
EAN (GTIN)	8010703865242	
Pieces per box	50	
Product weight	106	Gr
Made in	Italy	

## Electrical input data

Specification item	Value	Unit	Condition
Rated input voltage	110...127 / 220...240	Vac	
Input voltage AC range	99...264	Vac	
Input voltage DC range	176...280	Vdc	Factory default 100% EOFi= 1
Rated input frequency	50...60	Hz	
Rated input current	0,099	A	Referred to Vin = 230 V, 100% load
Rated input power	22,02	W	Referred to Vin = 230V, 100% load
Power factor	0,95	$\lambda$	
THD	< 15	%	Referred to Vin = 230 V, 100% load
Efficiency	88	%	Referred to Vin = 230 V, 100% load
Stand-by Power	< 0,5	W	
Isolation input to output	SELV		

## Electrical output data

Specification item	Value	Unit	Condition
Regulation method	Constant current / Constant voltage		
Output voltage	3...50	Vdc	
Output voltage max.	59	V	Open load
Output current	100...380	mA	
Output current min programmable	100	mA	
Output current min dimming	7	mA	
Output current tolerance	5	%	
Output power	1...20	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

**DC MINI JOLLY LC DALI** UK  
Dimmable AC/DC P/S for LED  
MADE IN ITALY  
cod. 151395

**DAI** • tc

PRI: 110-240V 50/60Hz  $\lambda$  max=0,91 C=0,95 I=0,12-0,18A  
SEC: 19Wmax (\*15W@110-127V); 100-380mA  
(Uout=59V); 24V acc.to the switches selection

ta= -25...50°C ; tc=75°C

176-280Vdc emerg. range; Imax=0,14A

SHORT CIRCUIT NTC DURING SWITCH ON TO SET PWM DIM

FW188P+200 T47/25 GMA-521181-EA

Pout	SEC	1	2	3	4
5 W	100 mA	-	-	-	-
7 W	140 mA	-	-	-	ON
9 W	180 mA	-	-	ON	ON
11 W	220 mA	-	-	ON	ON
13 W	260 mA	-	ON	-	-
15 W	300 mA	-	ON	-	ON
17 W	340 mA	-	ON	ON	-
19 W	380 mA	-	ON	ON	ON
9 W	24 V	ON	ON	ON	ON

PR107,5 - 1,5  
SEC0,5 - 1,5  
S1

DA1: supplementary insulation to SELV circuit  
DA2: basic insulation to PRI circuit

R L N DA2 DA1  
SELV NTC SEC  
+ + - -  
1 2 3 4

## Operating window 230V

Pout W	Vout DC	Iout mA
5	15...50	100
7	10...50	140
9	5...50	180
11	5...50	220
13	5...50	260
15	3...50	300
17	3...50	340
19	3...50	380
9	24 cost.	380 max.

## Operating window 110V

Pout W	Vout DC	Iout mA
5	15...50	10
7	10...50	140
9	5...50	180
11	5...50	220
13	5...50	260
15	3...50	300
15	3...44	340
15	3...40	380
9	24 cost.	380

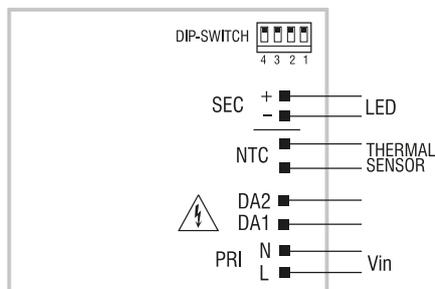
## Electrical data controls input

Specification item	Value	Unit	Condition
Control method	DALI-2		Default dimming: AM
Dimming range	1...100%	%	

## Wiring and connections

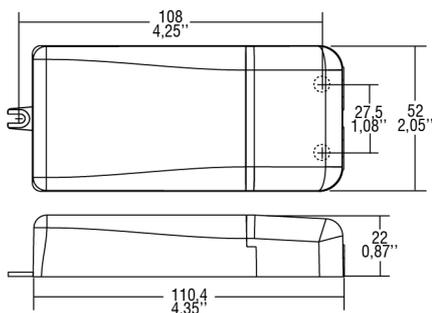
Specification item	Value	Unit	Condition
Input wire cross section	0.75...1.5 / 18...15	mm <sup>2</sup> / AWG	L - N
Input wire strip length	8.5...9.5	mm	
Output wires cross section	0.5...1.5 / 20...15	mm <sup>2</sup> / AWG	SEC, NTC
Output wire strip length	8...8.5	mm	
Control wire cross section	0.75...1.5 / 18...15	mm <sup>2</sup> / AWG	DA - DA
Control wire strip length	8.5...9.5	mm	
Max. cable length		cm	Max. LED distance see page info 8

## Wiring diagram



DALI diagram - Collegamento DALI

## Dimensions



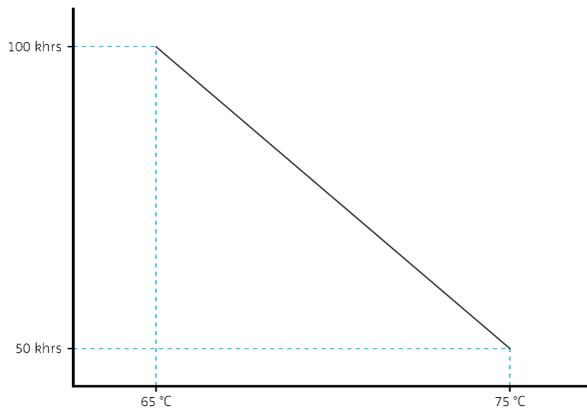
## Insulation

Specification item	Output	Controls	Earth
Input	double or reinforced	basic	N/A
Output	N/A	N/A	N/A

## Operation temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-25...50	°C	
T <sub>c</sub>	75	°C	Maximum temperature measured at T <sub>c</sub> point
Maximum housing temperature	120	°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	100mA	
Min Dimming Level	Yes	1%	

## 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	
DALI part 101	Yes	
DALI part 102	Yes	
DALI part 207	Yes	

## In rush current

Specification item	Value	Unit	Condition
In rush current	5/50	A / usec	
Drivers / MCB 16A type B	50	pcs	

## Driver touch current / protective conductor current

Specification item	Value	Unit	Condition
Typical Protective Conductor Current	0,104	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 (DO NOT COVER) UKCA BIS
Ingress Protection classification (IP)	20
Application	Compact dimmable indoor
Mounting type	Independent
Cut hole diameter	Ø55

## Performance curves

