



## Product data

Specification item	Value	Unit
Product name	DC MINI JOLLY DALI BI	
Order code	151403BI	
EAN (GTIN)	8010703382015	
Pieces per box	50	
Product weight	94	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	0,064	A	Referred to Vin = 230 V, 100% load
Rated input power	14,04	W	Referred to Vin = 230V, 100% load
Power factor	0,95	$\lambda$	
THD	< 10	%	Referred to Vin = 230 V, 100% load
Efficiency	87	%	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		
Output voltage	3...49	Vdc	
Output voltage max.	55	V	Open load
Output current	250...700	mA	
Output current min programmable	250	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 DALI BI**  
 Dimmable AC/DC PIS for LED LED控制装置  
 MADE IN ITALY via Parma 14, 21047 Saronno(VA) Italy, www.tci.it  
 PRI: 110-240V~ 50/60Hz  $\lambda_{max}=0.95$   $I_{max}=0.18A$   
 SEC: 20Wmax(15W@110-120 V); 250-700mA(C.C.)  
 (U<sub>out</sub> = 59V ⇐) acc. to the S1 sel. AM DIMMING  
 176-276Vdc em. range.  $I_{max}=0.14A$   
 176-276V 直流: 电流  $I_{max}=0.14A$   
 ta=-25...45°C; tc=75°C FW: 277+291

Pout	SEC	1	2	3	4
12 W	250 mA	-	-	-	-
17 W*	350 mA	-	-	ON	-
19 W*	400 mA	-	ON	-	-
20 W*	450 mA	-	ON	-	-
20 W*	500 mA	-	ON	ON	-
20 W*	550 mA	-	ON	-	ON
20 W*	600 mA	-	ON	ON	-
20 W*	700 mA	-	ON	ON	ON

Before use, always check S1 dipswitch settings  
 每次使用前请检查拨码开关 S1 的设置

DA1: supplementary insulation to SELV circuit 对SELV电路增加附加绝缘  
 DA2: basic insulation to PRI circuit 对PRI电路增加基本绝缘

PRI L N DA2 DA1 SELV NTC SEC  
 1 2 3 4

## Operating window 230V

Pout W	Vout DC	Iout mA
12	15...49	250
17	10...49	350
19	5...49	400
20	5...45	450
20	5...40	500
20	3...36	550
20	3...33	600
20	3...28	700

## Operating window 110V

Pout W	Vout DC	Iout mA
12	15...49	250
15	10...42	350
15	5...37	400
15	5...45	450
15	5...30	500
15	3...27	550
15	3...25	600
15	3...21	700

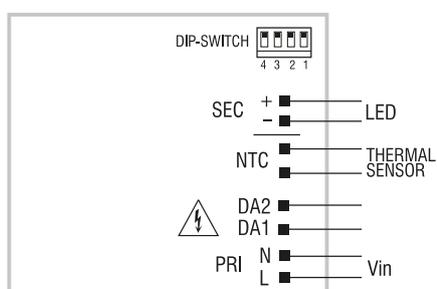
## Electrical data controls input

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

## Wiring and connections

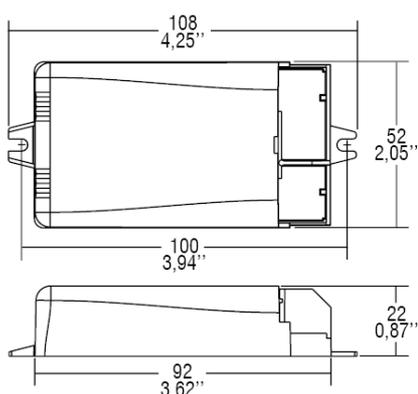
Specification item	Value	Unit	Condition
Input wire cross section	0.5...1.5 / 20...15	mm <sup>2</sup> / AWG	L - N
Input wire strip length	8.5...9.5	mm	
Output wires cross section	0.5...1.5 / 20...15	mm <sup>2</sup> / AWG	SEC, NTC
Output wire strip length	8...8.5	mm	
Control wire cross section	0.5...1.5 / 20...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



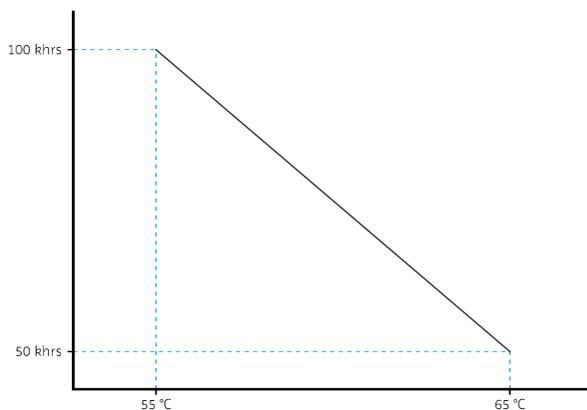
## Insulation

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...45	°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	250mA	
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)	3	kV	

## Application info

Specification item	Value
Approval marks	CE ENEC EAC UL RCM CCC UKCA BIS
Application	Compact dimmable indoor
Mounting type	Built-in

## Performance curves

