



Software: TCI_NFC_READER

<https://win.tcisonno.com/public/CMS/Files/11436/Setup-NFC-DALI-1-0-0-180-1.zip>



Product data

Specification item	Value	Unit
Product name	PROFESSIONALE 20 DALI NFC BI	
Order code	142013	
EAN (GTIN)	8010703863699	
Pieces per box	50	
Product weight	110	Gr
Made in	Italy	

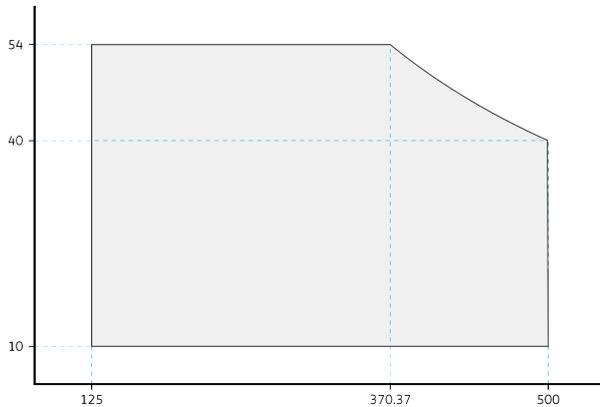
Electrical input data

Specification item	Value	Unit	Condition
Rated input voltage	220...240	Vac	
Input voltage AC range	198...264	Vac	
Input voltage DC range	176...275	Vdc	Factory default 100% EOFi= 1
Rated input frequency	50...60	Hz	
Rated input current	0,100	A	Referred to Vin = 230 V, 100% load
Rated input power	22,60	W	Referred to Vin = 230V, 100% load
Power factor	0,9 C	λ	
THD	< 10	%	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		
Output voltage	10...54	Vdc	
Output voltage max.	59	V	Open load
Output current	125...500	mA	
Output current min programmable	125	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		

Operating window



Label

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



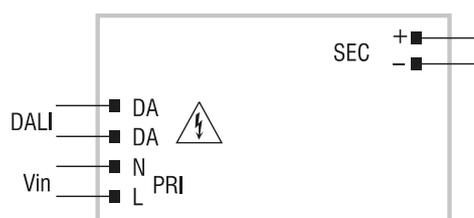
Electrical data controls input

Specification item	Value	Unit	Condition
Control method	DALI-2, PUSH SWITCH		
Dimming range	1...100%	%	

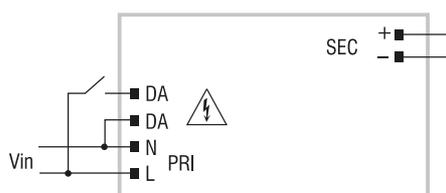
Wiring and connections

Specification item	Value	Unit	Condition
Input wire cross section	0.5...1.5 / 20...15	mm ² / AWG	
Input wire strip length	8...9	mm	
Output wires cross section	0.5...1.5 / 20...15	mm ² / AWG	
Output wire strip length	8...9	mm	
Control wire cross section	0.5...1.5 / 20...15	mm ² / AWG	
Control wire strip length	8...9	mm	
Max. cable length		cm	Max. LED distance see page info 8

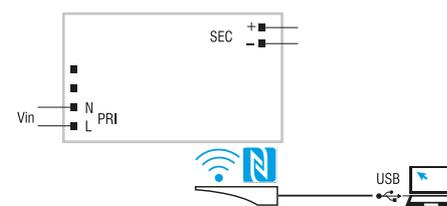
Wiring diagrams



DALI diagram
Collegamento DALI

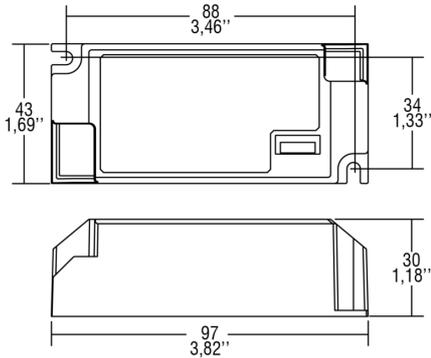


PUSH SWITCH diagram
Collegamento PUSH SWITCH



WIRELESS PROGRAMMING diagram
Collegamento per PROGRAMMAZIONE WIRELESS

Dimensions



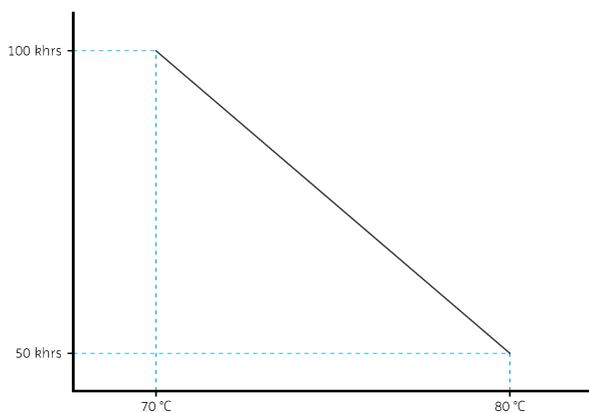
Insulation

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

Operation temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-25... 50	°C	
Tc	80	°C	Maximum temperature measured at Tc point
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)	NFC	125mA	
Push Switch	Yes	ON	
Min Dimming Level	Yes	1%	
DALI part 251	Yes	OFF	

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	
DALI part 252	Yes	
DALI part 253	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	0,05	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
Ingress Protection classification (IP)	20
Application	Compact dimmable indoor
Mounting type	Built-in

Performance curves

