


Software: TCI_NFC_READER
<https://win.tcisonno.com/public/CMS/Files/11436/Setup-NFC-DALI-1-0-0-155.zip>

Product data

Specification item	Value	Unit
Product name	SVM 85 700-2100 110-277V D4i NFC	
Order code	142066	
EAN (GTIN)	8010703887077	
Pieces per box	30	
Product weight	324	Gr
Made in	Italy	

Electrical input data

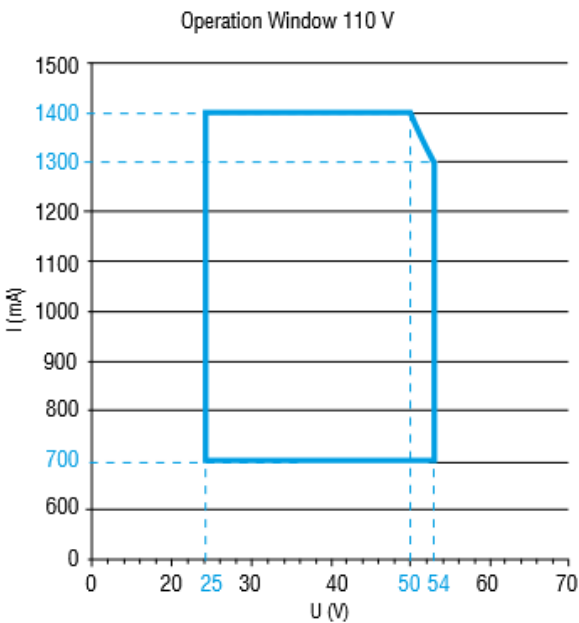
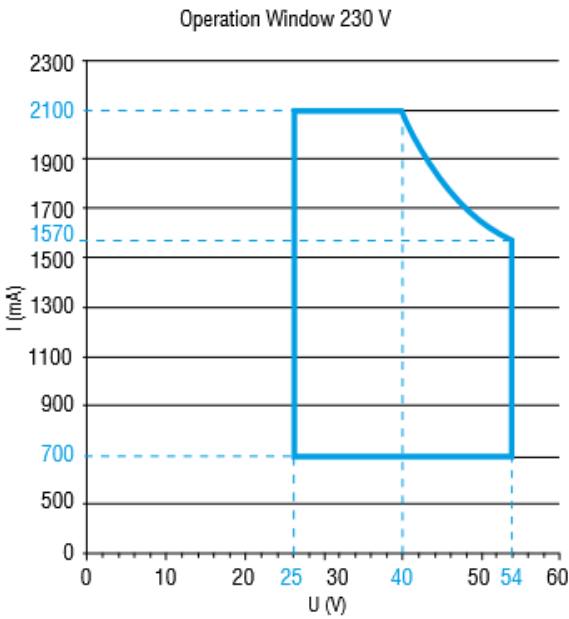
Specification item	Value	Unit	Condition
Rated input voltage	110...120 / 220...240 / 277	Vac	
Input voltage AC range	100...305	Vac	
Input voltage DC range	176...276	Vdc	Factory default 100% EOFi= 1
Rated input frequency	50...60	Hz	
Rated input current	0,409	A	Referred to Vin = 230 V, 100% load
Rated input power	92,47	W	Referred to Vin = 230V, 100% load
Power factor	0,85 C	λ	Pout > 25W
THD	< 10	%	Referred to Vin = 230 V, 100% load
Efficiency	92	%	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	25...54	Vdc	
Output voltage max.	60	V	Open load
Output current	700...2100	mA	
Output current min programmable	700	mA	
Output current min dimming	21	mA	
Output current tolerance	5	%	
Output power	17...85	W	
Output current ripple	< 3	%	
Output Pst LM	< 1		
Output SVM	< 0,4		

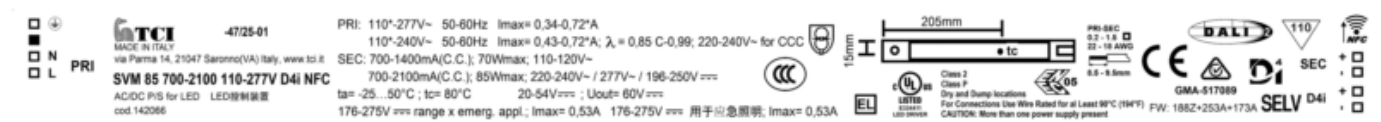
Operating window (230V)

Operating window (110V)



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	D4i, DALI-2, CLO		
Dimming range	1...100	%	
DALI output voltage	16	V	
DALI output current	52	mA	

Wiring and connections

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

Wiring diagrams



Active DALI diagram
Collegamento DALI attivo

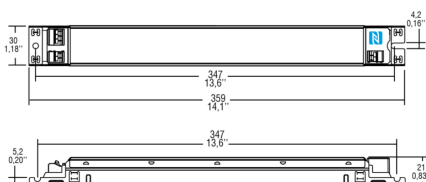


DALI diagram
Collegamento DALI



WIRELESS PROGRAMMING diagram
Collegamento per PROGRAMMAZIONE WIRELESS

Dimensions



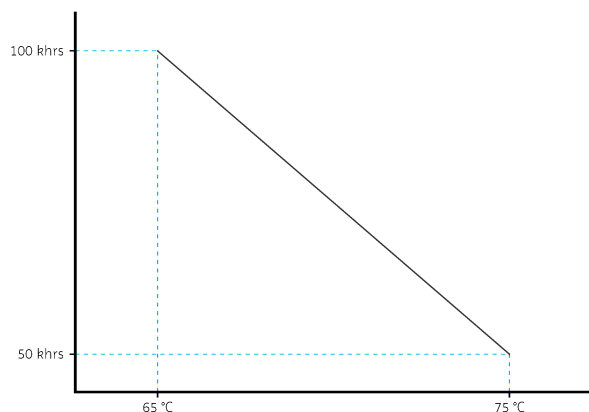
Insulation

PRI - SEC	double or reinforced
PRI - D4i	double or reinforced
D4i - SEC	supplementary

Operation temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-25...+50	°C	
T _c	80	°C	Maximum temperature measured at T _c 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

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	
DALI part 101	Yes	
DALI part 102	Yes	
DALI part 207	Yes	
DALI part 252	Yes	
DALI part 253	Yes	

Programmable features

Specification item	Available	Default setting	Condition
Set Adjustable Output Current (AOC)	NFC	700mA	
Constant Light Output (CLO)	Yes	OFF	
Min Dimming Level	Yes	1%	
DC emergency level	Yes	OFF	Default 100% EOFi range = 1...100%
DALI part 250	Yes	ON	
DALI part 251	Yes		

In rush current

Specification item	Value	Unit	Condition
In rush current	40/450	A / usec	
Drivers / MCB 16A type B	36	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 RCM UL UKCA CCC
Application	Linear dimmable
Mounting type	Built-in

Performance curves

