

**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	SVM 85 700-2100 110-277V NFC	
Order code	142070	
EAN (GTIN)	8010703893153	
Pieces per box	30	
Product weight	264	Gr
Made in	Italy	

Electrical input data

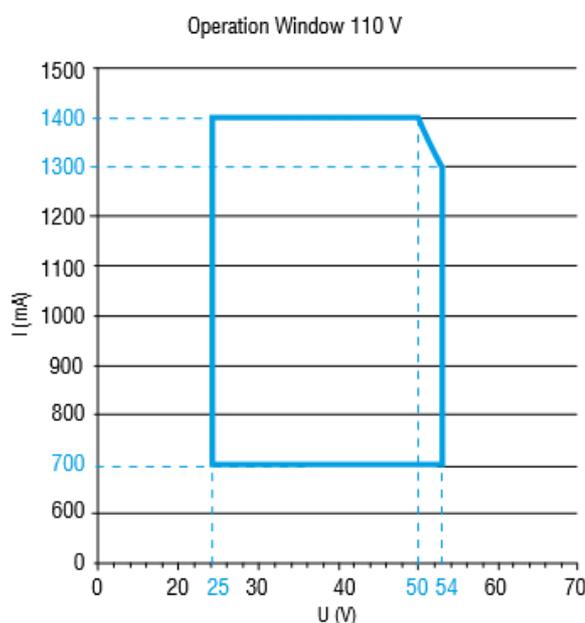
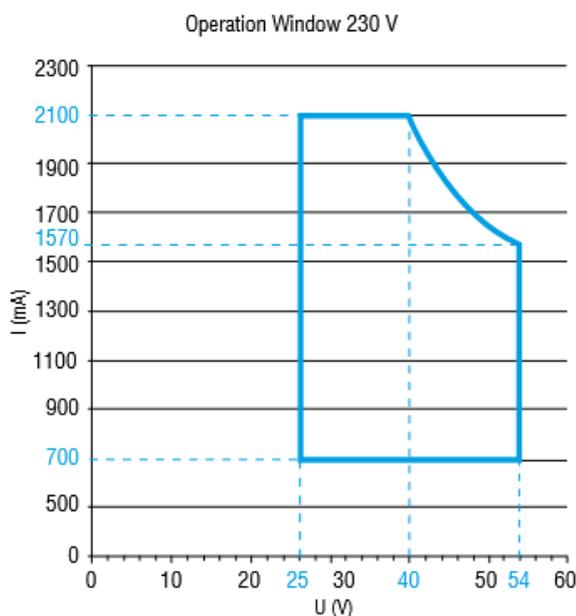
Specification item	Value	Unit	Condition
Rated input voltage	110...120 / 220...240 / 277	Vac	
Input voltage AC range	100...305	Vac	
Input voltage DC range	176...276	Vdc	Factory default 100% EOFi= 1
Rated input frequency	50...60	Hz	
Rated input current	0,409	A	Referred to Vin = 230 V, 100% load
Rated input 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
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 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



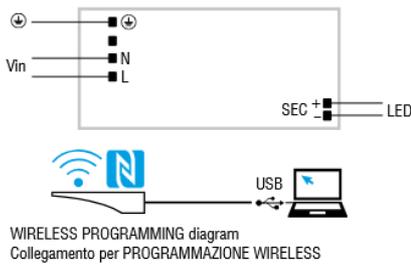
Electrical data controls input

Specification item	Value	Unit	Condition
Control method	ON-OFF		

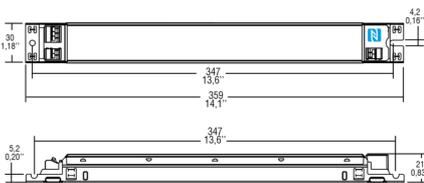
Wiring and connections

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	
Max. cable length		cm	Max. LED distance see page info 8

Wiring diagram



Dimensions



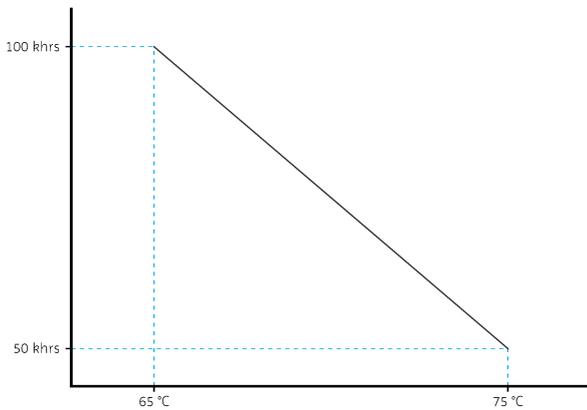
Insulation

PRI - SEC	double or reinforced
-----------	----------------------

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

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	

Programmable features

Specification item	Available	Default setting	Condition
Set Adjustable Output Current (AOC)	NFC	700mA	

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 not dimmable
Mounting type	Built-in

Performance curves

