



Software: TCI_NFC_READER

<https://win.tcisaronno.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 DALI NFC	
Order code	142067	
EAN (GTIN)	8010703464391	
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 data controls input

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

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



DALI diagram
Collegamento DALI

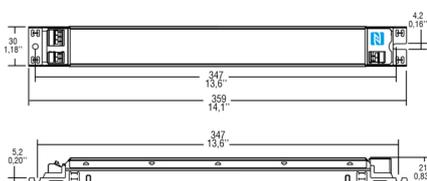


PUSH SWITCH diagram
Collegamento PUSH SWITCH



WIRELESS PROGRAMMING diagram
Collegamento per PROGRAMMAZIONE WIRELESS

Dimensions



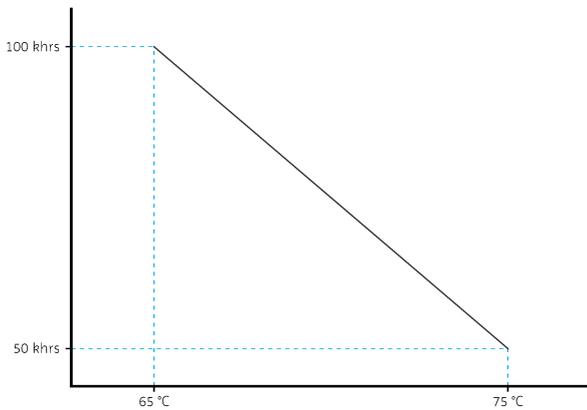
Insulation

PRI - SEC	double or reinforced
PRI - DALI	double or reinforced
DALI - SEC	supplementary

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	
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 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
Application	Linear dimmable
Mounting type	Built-in

Performance curves

