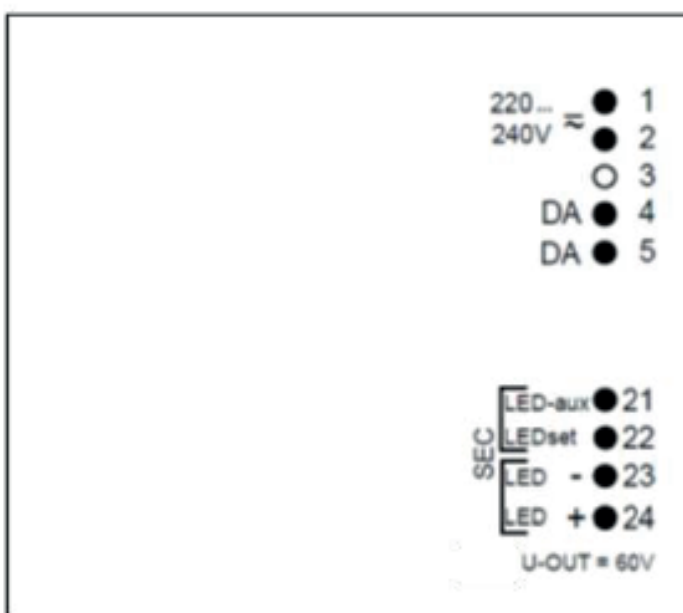
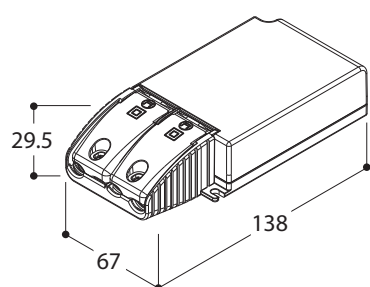


ref 930585

name POWERLED REMOTE CONVERTER (35W) TOUCH DALI DIM 500mA



### Wiring Diagram

Input

- Gray 1 - Mains
- Gray 2 - Mains
- RED 4 - DALI
- RED 5 - DALI

Output

- Black 21 - LED- aux
- White 22 - LEDset
- Black 23 - LED -
- Red 24 - LED +

Load wires length: 2m max.

- Wires cross section: massive leads 0,2-1,5 mm<sup>2</sup> / flexible leads 0,2 – 1,5 mm<sup>2</sup>
- Wire peeling length: 8-9 mm

## Electrical Specifications

	Item	Value	Unit	Remarks
INPUT	Nominal voltage	220 – 240	V	
	Nominal frequency	0 / 50 / 60	Hz	Incl. DC or pulse DC
	AC voltage range	198 – 264	V	
	DC voltage range	176 – 276	V	DC or pulse DC
	Maximum voltage	280	Vac	2 h maximum, unit might not operate in this abnormal condition
	Nominal current	0.18	A	
	Total Harmonic Distortion (THD)	< 10	%	Full load, 220 – 240 V, 50 Hz / see graphs
	Power factor	> 0.95		Full load, 220 – 240 V, 50 Hz / see graphs
	Efficiency	typical 86%	%	Full load, 220 – 240 V, 50 Hz / see graphs
	Power losses	5.7	W	Maximum, full load
	No-load power	n/a	W	Load switching on output side is safe but not permitted
	Stand-by power	< 350	mW	
	Protection class	II		Suitable for class I and II luminaires
	Inrush current	< 20	A pk	Max, Th < 100 μs
Max. units per circuit breaker	B16: 55; B10: 33			
OUTPUT	Nominal voltage range	30-54Vf		
	Maximum voltage	60	V	No load protection, restart trials every 1-3 s
	Nominal current range	500mA	mA	
	Current accuracy	+/- 5	%	Digital programming. +/- 5% through the LEDset interface.
	Current ripple	< 2	%	Ripple / average @ 100 Hz; Full load
	Nominal power range	15 – 35	W	
	Maximum power	35	W	LED output
Galvanic isolation	SELV equivalent		Output to earth - Touch current < 0.7 mA	
DIMMING	Dimming control	yes		DALI, TouchDIM
	Dimming range	1 – 100	%	Of selected nominal current
	Dimming technique	mixed		AM (>260mA) + PWM (<260mA)
	PWM frequency	> 280	Hz	
	Galvanic isolation	basic / double		Basic DALI to Primary / Double DALI to Secondary
ENVIRONMENT	Ambient temperature range t <sub>a</sub>	-20 ... +50	°C	
	Maximum case temperature t <sub>c</sub>	75	°C	Measured on t <sub>c</sub> point indicated of the product label, t <sub>a</sub> not exceeded
	Max. case temp. in fault condition	110	°C	
	Storage temperature range	-25 ... +85	°C	
	Relative humidity	5 ... 85	%	Not condensing
	Surge transient protection	1	kV	L/N acc to. EN 61547
	Environmental rating	Indoor		
	IP rating	IP 20		
	Mains switching cycles	> 100'000		
	Expected lifetime	50'000 100'000	h	t <sub>c</sub> = 75°C, 0.2% / 1'000 h failure rate t <sub>c</sub> = 65°C, 0.1% / 1'000 h failure rate



ALWAYS DISCONNECT MAINS POWER SUPPLY FROM CONVERTER BEFORE SWITCHING "ON" LED LUMINAIRE TO PREVENT HOT PLUGGING ISSUES