PRODUCT DATASHEET
DR EXT DALI-P -1X15-37W 220-240

DRIVER LED TUBE EXTERNAL P | constant current LED DRIVER EXT for LED TUBE EXT T5/T8 – indoor

Areas of application

- Designed to power with LEDVANCE LEDTUBE EXT
- Suitable for luminaires of protection class I
- General illumination within ambient temperatures from -20...+50 °C
- Linear lighting for office, education, storage areas and retail
- Industrial lighting (e.g. manufacturing plants, logistic centers, warehouses)
- Shops, supermarkets
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J

Product benefits

- Compatible with LEDVANCE LED TUBE EXTERNAL
- High flexibility due to adjustable output currents via dip switch
- DALI 2.0 interface for dimming and sensor operations
- High-quality dimming of 1...100 %
- Push DIM application for easy control
- Very high resistance to switching loads
- 5 years guarantee

Product features

- 1 channel DALI-2 certified LED driver 4058075730632
- Safety extra-low voltage (SELV) driver
- Advanced applications with DALI light installations
- Lifetime: > 100,000 h (for Tc = 65 °C)
- ENEC- certified safety
- 2 channel DALI-2 certified LED driver 4058075730656

TECHNICAL DATA

Electrical data

Nominal wattage	38.70 W
Nominal output power	37 W [1]
Nominal voltage	220...240 V
Nominal output voltage	25...48 V [2]
Input voltage range	220...240 V
Input voltage AC	198...264 V [3]
Input voltage DC	180...270 V
U-OUT (working voltage)	60 V
Type of current	DC
Nominal current	0.21 A
Nominal output current	0.35...0.86 A [4]
Inrush current	60 A [5]
Output current tolerance	10 %
Output ripple current (100 Hz)	+/- 5 %
Mains frequency	0/50/60 Hz
Total harmonic distortion	< 20 % [6]
Power factor λ	0.95 [7]
ECG efficiency	86 % [8]
Device power loss	6 W [9]
Max. ECG no. on circuit breaker 10 A (B)	14
Max. ECG no. on circuit breaker 16 A (B)	23
Max. ECG no. on circuit breaker 25 A (B)	36
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV
Operating frequency	0/50/60 Hz
Power loss in stand-by mode	< 0.5 W

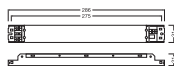[1] Partial load 8,75...38,7 W

[2] Within rated power

[3] Permitted voltage range

[4] ±5%

[5] t_{width} = 200 μs (measured at 50 % I_{peak})

6) At full load, 220...240 V, 50 Hz

7) Full load at 230 V

8) At full load and 230 V

9) At maximum LED load of 40 W

Dimensions & Weight

Length	286.00 mm
Mounting hole spacing, length	274 mm
Width	31.00 mm
Height	21.00 mm
Cable cross-section, input side	0,5...1,5 mm²
Cable cross-section, output side	0.5...0.75 mm²
Prewired	No
Wire preparation length, input side	8...9 mm
Wire preparation length, output side	8...9 mm
Product weight	250.00 g

Colors & materials

Product color	White
Casing material	Metal / CGCC
Body material	Metal

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Temperature range in operation	-20...+50 °C
Permitted rel. humidity during operation	10...85 % [1]

1) Maximum 42 days/year at 93 %

Lifespan

ECG lifetime	100000 h [1]

1) At T_c = 65°C / 10% failure rate

Additional product data

Encapsulated	Yes

Capabilities

Dimmable	Yes
Dimming interface	DALI-2 / Push DIM
Dimming range	1...100 %
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
Max. cable length to lamp/LED module	2,0 m
Suitable for fixtures with prot. class	I / II
Suitable for emergency lighting	Yes
Type of connection, output side	Push terminal

Certificates & Standards

Approval marks – approval	CE / CB / ENEC / UKCA / EL
Standards	Acc. to EN 61347-1 / Acc. to ENEC 61347-2-13 / Acc. to EN 62384 / Acc. to EN 55015 / Acc. to EN 61000-3-2 / Acc. to EN 61547
Protection class	I
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-20...+80 °C

Safety advice

– Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075730649	Shipping box 25	319 mm x 217 mm x 170 mm	7157.00 g	11.77 dm³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.