PRODUCT DATASHEET
DR DS-PFM -30/220-240/700

LED DRIVER DIP-SWITCH PERFORMANCE | Constant current LED driver with dip-switch current setting

AREAS OF APPLICATION

- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection classes I and II
- Suitable for build-in luminaries with adjustable current setting
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

PRODUCT BENEFITS

- High flexibility due to adjustable output currents via dip switch
- Low flickering enables high light quality as well as good visual comfort
- 5 years guarantee
- Slim housing for narrow installations
- High efficiency and reliability

PRODUCT FEATURES

- Available in 20 W, 30 W, 40 W
- Independent installation with optional Cable Clamp Kit
- Lifetime: up to 50,000 h (at max. tc temperature)
- Type of protection: IP20
- Low ripple current < 5%
- Supply voltage: 220…240 V
- Operating frequency: 50/60 Hz
- Safety according to EN 61347-1, 61347-2-3, 61347-2-13, 62384
- Immunity according to EN 61547

TECHNICAL DATA

Electrical data

Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V [1]
Total harmonic distortion	15 % [2]
Power factor λ	0.95 [3]
ECG efficiency	88 % [4]
Device power loss	3.5 W [5]
Protective conductor current	0.5 mA
Inrush current	30 A [6]
Max. ECG no. on circuit breaker 10 A (B)	11
Max. ECG no. on circuit breaker 16 A (B)	17
Max. ECG no. on circuit breaker 25 A (B)	27
Surge capability (L-N)	1 kV
Nominal output voltage	25...42 V [7]
U-OUT (working voltage)	55 V
Nominal output current	700 mA [8]
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 5 %
Nominal output power	30 W [9]
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3.75 kV

[1] Permitted voltage range

[2] At full load, 220...240 V, 50 Hz

[3] Full load at 230 V

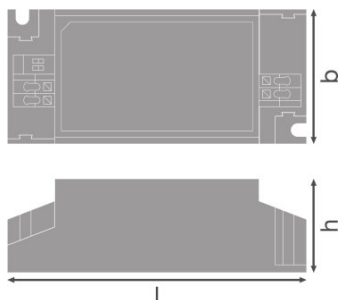[4] At full load and 230 V

[5] At maximum LED load of 30 W

[6] t_{width} = 250 μs (measured at 50 % I_{peak})

[7] Maximum 55 V

[8] ±10%

[9] Partial load 13...29 W

Dimensions & weight

Length	98.0 mm
Width	44.0 mm
Height	30.0 mm
Mounting hole spacing, length	88.0 mm
Mounting hole spacing, width	35.0 mm
Cable cross-section, input side	0.75...1.5 mm²
Cable cross-section, output side	0.5...1.5 mm²
Product weight	124.00 g
Wire preparation length, input side	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 mm
Prewired	No

Colors & materials

Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	95 °C
Permitted rel. humidity during operation	10...90 % [1]

[1] Maximum 56 days/year at 90%

Lifespan

ECG lifetime	50000 h [1]

[1] At maximum T_c = 75°C / 10% failure rate

Additional product data

Encapsulated	No

Capabilities

Dimmable	No
Overheating protection	No
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
Type of connection, output side	Push terminal
Suitable for no-load mode operation	Yes

Certificates & standards

Approval marks – approval	Nemco / CE
Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384
Type of protection	IP20
Protection class	II

Logistical data

Temperature range at storage	-20...+75 °C

EQUIPMENT / ACCESSORIES

– Cable Clamp Kit to ensure propper strain relief

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075239784	Shipping carton box 10	235 mm x 205 mm x 80 mm	1544.00 g	3.85 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.

REFERENCES / LINKS

For Guarantee see
▶ www.ledvance.com/guarantee

DISCLAIMER

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