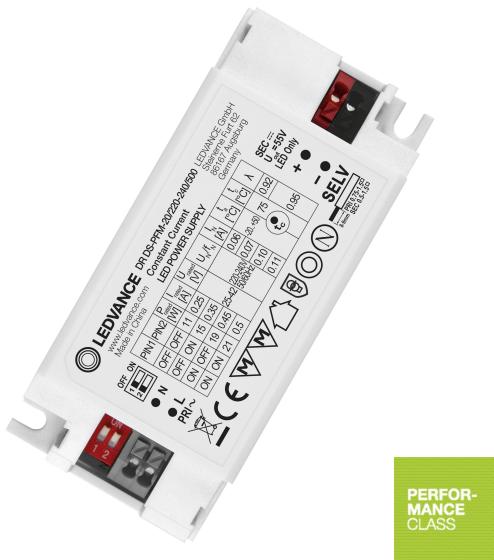# PRODUCT DATASHEET
DR DS-PFM -20/220-240/500

LED DRIVER DIP-SWITCH | 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
– For indoor SELV installations
– Offices, shopping centers, hospitals, restaurants, hotels
– Suitable for a broad range of luminaires (by broad range of dip switch currents)

PERFORMANCE CLASS

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 wattage	20.00 W
Nominal output power	20 W [1]
Nominal voltage	220…240 V
Nominal output voltage	25…42 V [2]
Input voltage AC	198…264 V [3]
U-OUT (working voltage)	55 V
Type of current	DC
Nominal current	110 mA
Nominal output current	250 mA / 350 mA / 450 mA / 500 mA [4]
Inrush current	20 A
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	50…60 Hz
Total harmonic distortion	16 % [5]
Power factor λ	0.95 [6]
ECG efficiency	85 % [7]
Device power loss	3,1 W [8]
Max. ECG no. on circuit breaker 10 A (B)	35
Max. ECG no. on circuit breaker 16 A (B)	56
Max. ECG no. on circuit breaker 25 A (B)	88
Surge capability (L-N)	0.5 kV
Galvanic isolation	SELV

[1] Partial load 6…21 W

[2] Maximum 55 V

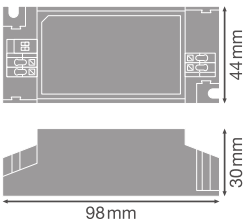[3] Permitted voltage range

[4] ±10%

[5] At full load, 220…240 V, 50 Hz

[6] Full load at 230 V

[7] At full load and 230 V

[8] At maximum LED load of 21 W

Dimensions & Weight

Length	98.00 mm
Mounting hole spacing, length	88,0 mm
Width	44.00 mm
Height	30.00 mm
Cable cross-section, input side	0.75…1.5 mm²
Cable cross-section, output side	0.5…1.5 mm²
Prewired	No
Wire preparation length, input side	8.0…9.0 mm
Wire preparation length, output side	8.0…9.0 mm
Product weight	124.00 g

Colors & materials

Product color	White
Casing material	Plastic
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
Temperature range in operation	-20…+50 °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
Dimming interface	Not dimmable
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	II
Suitable for emergency lighting	No
Type of connection, output side	Push terminal

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
Protection class	II
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-20…+75 °C

Accessories Optional

Product image	Product name	EAN
	DR AY DS-PFM-CLAMP DUO	4058075313200

EQUIPMENT / ACCESSORIES

– Cable Clamp Kit to ensure propper strain relief

Safety advice

– All electrical connections must be made by a qualified person.
– Caution, risk of electric shock.
– Disconnect mains before installation.
– Do not open enclosure-housing.

DOWNLOAD DATA

Documents and certificates	Document name
📄 User instruction / safety instructions	LED DRIVER DIP-SWITCH PFM
📄 Declarations of conformity	EU Declaration of Conformity 3563380

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075239753	Folding box 1	106 mm x 47 mm x 37 mm	133.00 g	0.18 dm^3
4058075239760	Shipping box 10	235 mm x 205 mm x 80 mm	1544.00 g	3.85 dm^3
4058075254770	Shipping box 50	460 mm x 245 mm x 245 mm	8153.00 g	27.61 dm^3

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

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