

PRODUCT DATASHEET DR DS-P -90/220-240/775 L NSV

LED DRIVER DIP-SWITCH LINEAR | Linear constant current LED driver with dip-switch current setting



Areas of application

- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection class I
- Suitable for indoor non-SELV installations
- Suitable for emergency installations
- Linear lighting for office, education, industry, storage areas and retail

Product benefits

- High flexibility due to adjustable output currents via dip switch (16 currents)
- Low flickering enables high light quality as well as good visual comfort
- Flexible dip switch current settings on device in 25mA steps
- Geometry according to Zhaga specification
- High efficiency
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- 5 years guarantee

Product features

- $-\,$ Available in 40 W, 60 W, 90 W and 150 W
- Very long lifetime: up to 100,000 h
- Type of protection: IP20
- Low ripple current < 5%
- Supply voltage: 220...240 V
- Operating frequency: 0/50/60 Hz
- ENEC-certified safety
- Safety according to EN 61347-1, 61347-2-13, 62384
- Immunity according to EN 61547

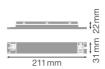
TECHNICAL DATA

Electrical data

Nominal output power	90 W
Nominal output voltage	40220 V
Input voltage AC	198264 V ¹⁾
Input voltage DC	180270 V ¹⁾
Nominal current	0.43 A
Nominal output current	300-775 mA ²⁾
Inrush current	30 A ³⁾
Output current tolerance	±3.0 %
Output ripple current (100 Hz)	5 %
Output ripple current (120 Hz)	5 %
Mains frequency	0/50/60 Hz
Total harmonic distortion	10 % ⁴⁾
Power factor λ	> 0.97 ⁴⁾
ECG efficiency	94 % 4)
Device power loss	8 W
Max. ECG no. on circuit breaker 10 A (B)	9
Max. ECG no. on circuit breaker 13 A (B)	12
Max. ECG no. on circuit breaker 16 A (B)	14
Max. ECG no. on circuit breaker 10 A (C)	16
Max. ECG no. on circuit breaker 13 A (C)	19
Max. ECG no. on circuit breaker 16 A (C)	23
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV

¹⁾ Permitted voltage range

Dimensions & Weight



²⁾ Default value 300mA

³⁾ At 230 V AC, $T_a = 25$ °C

⁴⁾ At full load, 220...240 V, 50 Hz

Length	211.00 mm
Mounting hole spacing, length	200.00 mm
Width	31.00 mm
Height	22.00 mm
Cable cross-section, input side	0.51.5 mm ²
Cable cross-section, output side	0.51.5 mm ²
Prewired	No
Wire preparation length, input side	8.00 mm
Wire preparation length, output side	8.00 mm
Product weight	172.00 g

Colors & materials

Product color	White
Casing material	Metal / CGCC
Body material	Metal

Temperatures & operating conditions

Ambient temperature range	-25+50 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	<110 °C
Permitted rel. humidity during operation	585 %

Lifespan

ECG lifetime	100000 h ¹⁾
Number of switching cycles	100000

¹⁾ At T_c max. - 10°C

Additional product data

Encapsulated	Yes
Capabilities	
Dimmable	No
Overheating protection	Yes

Overload protection

Yes

Short-circuit protection

Yes

Max. cable length to lamp/LED module

Suitable for fixtures with prot. class

Yes

May 15, 2025, 17:11:07

Suitable for emergency lighting

DR DS-P -90/220-240/775 L NSV

Type of connection, output side	Push terminal	
Certificates & Standards		
Approval marks – approval	CE / ENEC / UKCA / EAC / 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	-40+85 °C	

DOWNLOAD DATA

	Documents and certificates		Document name	
POF	User instruction / safety instructions		DR DS-P-40-150/220-240 L NSV	
POF	Legal information		DR DS-SENS- SF FL	
POF	Legal information		Informationstext 18 Abs 4 ElektroG	
POF	Declarations of conformity		DR DS-P	
POF	Declarations of conformity UKCA		DR-V driver	
	CAD/BIM files Document name		ocument name	
	CAD STEP 3D	DR DS P 40 92W		
	Tender texts	Document name		
	Tender documents	LED DRIVER DIP SWITCH LINEAR 90 220 240 775 L NSV-en		

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854258534	Folding box	221 mm x 40 mm x 29 mm	193.00 g	0.26 dm ³
4099854258541	Shipping box 20	460 mm x 281 mm x 90 mm	4277.00 g	11.63 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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