

# PRODUCT DATASHEET

## DR-VAL -60/220-240/24

LED STRIP PERFORMANCE-600 PROTECTED | High performance IP66 protected LED strips with 600 lm/m for high requirements



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### Areas of application

- Cove lighting, even in tight spaces
- Wallwasher effect lighting in living rooms, dining rooms, bedrooms, entrances
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

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### Product benefits

- Perfectly matched to 24 V LED flexible strips
- Excellent price/performance ratio
- 3 years guarantee
- Quick and simple installation
- Good efficiency and reliability

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### Product features

- Available in 30 W, 60 W, 120 W and 150 W
- Integrated cable clamp for independent installation
- Lifetime: up to 35,000 h (at max. tc temperature)
- Type of protection: IP20
- Low ripple current < 5%
- Supply voltage: 220...240 V
- Operating frequency: 50/60 Hz
- Operated with less than 60 V: Safety extra-low voltage (SELV)
- Reversible overtemperature, overload, short-circuit and open-circuit protection

## TECHNICAL DATA

### Electrical data

Nominal wattage	60.00 W
Nominal output power	60 W <sup>1)</sup>
Nominal voltage	220...240 V
Nominal output voltage	24 V <sup>2)</sup>
Input voltage AC	198...264 V <sup>3)</sup>
U-OUT (working voltage)	24 V
Type of current	DC
Nominal current	470 mA
Nominal output current	2500 mA <sup>4)</sup>
Inrush current	45 A
Mains frequency	50...60 Hz
Total harmonic distortion	13 % <sup>5)</sup>
Power factor $\lambda$	0.90 <sup>6)</sup>
ECG efficiency	87 % <sup>7)</sup>
Device power loss	7.8 W <sup>8)</sup>
Max. ECG no. on circuit breaker 10 A (B)	6
Max. ECG no. on circuit breaker 16 A (B)	11
Max. ECG no. on circuit breaker 25 A (B)	17
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

1) From 0 to 60 W

2) Maximum 24 V

3) Permitted voltage range

4)  $\pm 10\%$

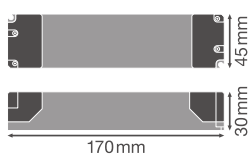
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) Pour une charge maximale de 60 W de LED

### Dimensions & Weight



Length	170.00 mm
Mounting hole spacing, length	162 mm
Width	45.00 mm
Height	30.00 mm
Cable cross-section, input side	0,5...1,5 mm <sup>2</sup>
Cable cross-section, output side	0,5...1,5 mm <sup>2</sup>
Prewired	No
Wire preparation length, input side	5...6 mm
Wire preparation length, output side	5...6 mm
Product weight	170.00 g

### Colors & materials

Product color	White
Casing material	Plastic
Body material	Plastic

### Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	95 °C
Temperature range in operation	-20...+45 °C
Permitted rel. humidity during operation	10...90 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 90%

### Lifespan

ECG lifetime	35000 h <sup>1)</sup>
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<sup>1)</sup> At maximum  $T_c = 85^\circ\text{C}$  / 10% failure rate

### Additional product data

Encapsulated	No
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### 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	I / II

Suitable for emergency lighting	No
Type of connection, output side	Screw terminal

### Certificates & Standards

Approval marks – approval	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
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### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075240094	Folding box 1	49 mm x 34 mm x 175 mm	185.00 g	0.29 dm <sup>3</sup>
4058075240100	Shipping box 10	264 mm x 192 mm x 108 mm	2051.00 g	5.47 dm <sup>3</sup>
4058075254251	Shipping box 40	406 mm x 283 mm x 252 mm	8734.00 g	28.95 dm <sup>3</sup>

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.