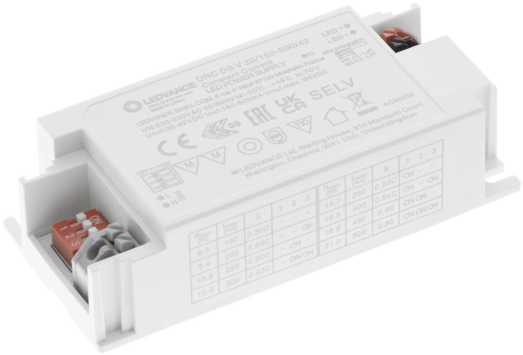
PRODUCT DATASHEET
DRC DS V 20/150-500/42

CONSTANT CURRENT COMPACT - VALUE | LED drivers



VALUE CLASS

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)

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

Product features

- Available in 20 W, 30 W, 40 W
- Independent installation with optional Cable Clamp Kit
- 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

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TECHNICAL DATA

Electrical data

Nominal wattage	24.13 W
Nominal output power	20 W
Nominal voltage	220…240 V
Nominal output voltage	25…42 V
Input voltage range	198…264 V
Input voltage AC	198…264 V [1)]
Type of current	AC
Nominal output current	150…500 mA
Inrush current	13.5 A
Output current tolerance	5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	50…60 Hz
Maximum total harmonic distortion	< 15 %
Power factor λ	> 0.95
ECG efficiency	87 % [2)]
Max. ECG no. on circuit breaker 10 A (B)	55
Max. ECG no. on circuit breaker 16 A (B)	88
Max. ECG no. on circuit breaker 25 A (B)	138
Max. ECG no. on circuit breaker 32 A (B)	176
Max. ECG no. on circuit breaker 10 A (C)	92
Max. ECG no. on circuit breaker 16 A (C)	147
Max. ECG no. on circuit breaker 25 A (C)	230
Max. ECG no. on circuit breaker 32 A (C)	294
Surge capability (L/N-Ground)	2000 V
Surge capability (L-N)	1000 V
Operating frequency	50…60 Hz
Flickering metric (Pst LM)	1

1) Permitted voltage range

2) Max.Value at full load 220...240V, 50Hz

Photometrical data

Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	<0.4

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Dimensions & Weight



Length	97.00 mm
Width	44.00 mm
Height	25.50 mm
Product weight	59.5 g

Colors & materials

Product color	White
Casing material	Polycarbonate (PC)
Body material	Polycarbonate (PC)

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C
Maximum temperature at tc test point	70 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5…95 %

Lifespan

ECG lifetime	100000 h / 50000 h [1)]
Number of switching cycles	100000

1) At Tc max. - 10°C

Capabilities

Dimmable	No
Overheating protection	Yes

Certificates & Standards

Standards	CE / EAC / UKCA / ENEC
Protection class	II
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-40…+85 °C

Accessories Optional

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Product image	Product name	EAN
	DRC AY DS P 5TH CLAMP DUO	4099854848056
	DRC AY DS P CLAMP DUO	4099854848087

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
PDF	Legal information	Safety Insert G11205865
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	DR DS-SENS- SF FL
PDF	Declarations of conformity	DRC DS P DRIVER
PDF	Declarations of conformity UKCA	DRC DS P DRIVER

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854844607	Unpacked 1	106 mm x 47 mm x 31 mm	59.50 g	0.15 dm^3
4099854844614	Shipping box 40	235 mm x 205 mm x 125 mm	2534.00 g	6.02 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.

DISCLAIMER

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

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