

OT 35/220...240/700 LTCS

CC Power supplies with LEDset



Areas of application

- Suitable for indoor SELV equivalent installations
- Suitable for use in luminaires with flexible current setting (DIP switch, LEDset)
- Installation and independent mounting via Cable Clamp Kit possible

Product benefits

- Versatile scope of application due to output power range of up to 45 W
- Very high efficiency and reliability

Technical data

Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	195...264 V ¹⁾
Power factor λ	0.95/0.85 ²⁾
ECG efficiency	88 % ³⁾
Device power loss	5.0 W ⁴⁾
Protective conductor current	<2.0 mA
Inrush current	8 A ⁵⁾
Max. ECG no. on circuit breaker 10 A (B)	52
Max. ECG no. on circuit breaker 16 A (B)	84
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV ⁶⁾
Surge capability (L-N)	1.6 kV
Nominal output voltage	24...87 V ⁷⁾
Nominal output current	100...700 mA ⁸⁾
Output current tolerance	±5 %
Nominal output power	35 W ⁹⁾
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV ¹⁰⁾

¹⁾ Permitted voltage range

²⁾ Minimum/Full load at 230 V/Half load at 230 V

³⁾ At full load and 230 V

⁴⁾ Maximum

⁵⁾ $t_{width} = 55 \mu s$ (measured at 50 % I_{peak})

⁶⁾ Functional Earth

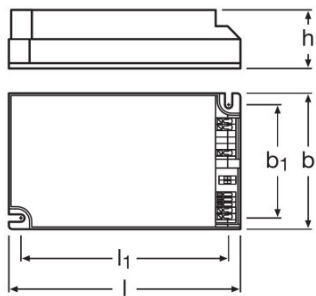
⁷⁾ Maximum 100 V

⁸⁾ ±5% (350...700 mA)

⁹⁾ Partial load 9...35 W / Not dimmed

¹⁰⁾ SELV-equivalent

Dimensions & weight



Length	123.0 mm
Width	79.0 mm
Height	33.0 mm
Mounting hole spacing, length	111.0 mm
Mounting hole spacing, width	67.0 mm
Product weight	220.00 g
Cable cross-section, input side	0.2...1.5 mm ² ¹⁾
Cable cross-section, output side	0.2...1.5 mm ² ²⁾
Wire preparation length, input side	8.5...9.5 mm
Wire preparation length, output side	8.5...9.5 mm

¹⁾ Solid or flexible leads

²⁾ Solid or flexible leads / LEDset only 0.2...0.5 mm²

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-25...+50 °C
Maximum temperature at tc test point	85 °C ¹⁾
Max.housing temperature in case of fault	100 °C
Permitted rel. humidity during operation	5...85 %

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At $T_{case} = 75^{\circ}C$ at T_c point / 10% failure rate

Additional product data

Product datasheet

Encapsulated	No
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Capabilities

Dimmable	No ¹⁾
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I / II

¹⁾ LEDset

Certificates & standards

Approval marks – approval	CE / ENEC 10 / VDE
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to EN 55015:2006 + A1:2007 + A2:2009/Acc. to IEC 61547:1995 + A1:2000/Acc. to DIN 57710
Protection class	II
Type of protection	IP20

Logistical data

Temperature range at storage	-40...85 °C
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Download Data

File
 Product Datasheet OPTOTRONIC OT 35220-240700 LTCS
 Brochures Technical Application Guide LEDset Gen2 (GB)
 Certificates CB test certificate OT 35200-240700 LTCS OT 45200-240700 LTCS
 Declarations of conformity Declaration of conformity OT 35200-240700 LTCS OT 45200-240700 LTCS

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321664419	OT 35/220...240/700 LTCS	Shipping carton box 20	428 mm x 78 mm x 257 mm	8.58 dm ³	4660.00 g

Product datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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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.