

OT 240/220...240/24 DIM P

CV Power supplies with 1...10 V



Areas of application

- Suitable for use in tight, flat luminaires or installation in suspended ceilings
- Suitable for indoor and outdoor SELV installations

Product benefits

- Versatile 1...10 V window driver up to 240 W due to flexible output characteristic
- Very high efficiency and reliability
- High IP protection (IP67)
- High surge protection: up to 3 kV (L-N) / 6 kV (L/N-PE)

Product features

- Dimmable via fully isolated 1...10 V interface
- Driver with output power range of up to 240 W

Technical data

Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ¹⁾
Total harmonic distortion	< 20 %
Power factor λ	0.95/0.90 ²⁾
ECG efficiency	92 % ³⁾
Device power loss	21 W ⁴⁾
Power loss in stand-by mode	<1,5 W
Inrush current	70 A ⁵⁾
Max. ECG no. on circuit breaker 10 A (B)	5
Max. ECG no. on circuit breaker 16 A (B)	8
Max. ECG no. on circuit breaker 25 A (B)	13
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	3 kV
Nominal output voltage	24 V ⁶⁾
U-OUT (working voltage)	24 V
Nominal output power	240 W ⁷⁾
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV ⁸⁾

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⁾ Maximum / At 250 μ s

⁶⁾ +1.0/-0.5 V

⁷⁾ Partial load 0...240 W

⁸⁾ SELV-equivalent

Dimensions & weight



Length	250.0 mm
Height	39.0 mm
Mounting hole spacing, length	241.0 mm
Product weight	1500.00 g
Cable cross-section, input side	1.0 mm ² ¹⁾
Cable cross-section, output side	1.5 mm ² ¹⁾
Wire preparation length, input side	10...11 mm
Wire preparation length, output side	10...11 mm
Cable/wire length, control input	300 mm
Cable/wire length, input side	300 mm
Cable/wire length, output side	300 mm
Mounting hole spacing, width	16.0 mm

¹⁾ Flexible

Colors & materials

Casing material	Metal
-----------------	-------

Temperatures & operating conditions

Ambient temperature range	-25...+55 °C
Maximum temperature at tc test point	80 °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⁾
--------------	-----------------------

¹⁾ At T_{case} = 70°C at T_c point / 10% failure rate

Additional product data

Encapsulated	No
--------------	----

Capabilities

Dimmable	Yes
Dimming interface	1...10 V ¹⁾
Dimming range	3...100 %
Dimming method	Pulse Width Modulation
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	10 m
Suitable for fixtures with prot. class	I
Type of connection, output side	Wires

¹⁾ Do not switch off by 1 ... 10V interface to avoid infringing the ErP regulations

Certificates & standards

Approval marks – approval	CE / CB / RCM / EAC / ENEC 18 / BIS
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Protection class	I
Type of protection	IP67

Logistical data

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

Download Data

File	
	Addon Technical Information 728639_Dimming table for OT (EN)
	Brochures 24V OPTOTRONIC outdoor drivers (GB)
	Brochures 730792_Light is universal - Easy installation of efficient complete systems (DE)
	Brochures 730791_Light is universal - Easy installation of efficient complete systems (EN)
	Certificates ENEC certificate-117-N OT 240220-24024 DIM P

Product datasheet



Declarations of conformity
728507_EU Declaration OT



Installation/Operation notice
Instruction Sheet OT 24022024024 DIM P

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321981714	OT 240/220...240/24 DIM P	Shipping carton box 8	540 mm x 193 mm x 400 mm	41.69 dm ³	14460.00 g

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.