

OT 40/220...240/24 DIM P

OPTOTRONIC | 24 V Constant voltage LED power supplies with 1...10 V



Areas of application

- Facades, public squares, cruise ships
- Signage
- Suitable for indoor and outdoor installations

Product family benefits

- Large range of products from 20 W to 250 W
- Installation in very cold and hot environments
- Very stable output power
- High electrical reversible short-circuit, overload, overtemperature protection
- Smart Power Supply: boosting power to turn on cold LEDs
- Independent installation possible
- Dimming range: 1...100 %

Product family features

- DC mode functionality
- Type of protection: IP66 and IP67
- Surge protection: up to 4 kV (L-N) / 6 kV (L/N-PE)
- Wide operating temperature range: -30...+55 °C
- Lifetime: up to 50,000 h (temperature at max. t_c)
- Dimmable via fully isolated 1...10 V interface

Product datasheet

Technical data

Electrical data

Nominal output power	40 W
Mains frequency	0...60 Hz
Power loss in stand-by mode	<0.5 W
Galvanic isolation primary/secondary	3 kV
Nominal output voltage	24.2 V
Input voltage DC	176...276 V
Input voltage AC	198...264 V

Dimensions & weight



Mounting hole spacing, length	199.0 mm
Product weight	416.00 g
Length	208.0 mm
Width	43.0 mm
Height	26.0 mm

Temperatures & operating conditions

Permitted rel. humidity during operation	5...85 % ¹⁾
------------------------------------------	------------------------

¹⁾ Maximum 56 days/year at 85 %

Capabilities

Suitable for fixtures with prot. class	II
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Dimming interface	1...10 V

Product datasheet

Dimmable	Yes
Number of channels	1











Certificates & standards

Type of protection	IP66
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 61000-3-3/Acc. to EN 60598-1/Acc. to EN 62384
Approval marks – approval	ENEC / RCM / CCC / EAC

Logistical data

Commodity code	850440829000
----------------	--------------

Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 Addon Technical Information Dimming table for OT (EN)
 Product Datasheet Datasheet OT 40220-24024 DIM P
 Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
 Certificates CCC Certificate No. 2018011002043864
 Certificates CB Test Certificate No. SG PSB-LE-00930
 Certificates ENEC Certificate No. U6 18 01 84117 051
 Declarations of conformity EU Declaration of Conformity 3537796
 Declarations of conformity Attestation of Conformity No. N8A 18 01 84117 055
 Declarations of conformity Attestation of Conformity No. E8A 18 01 84117 050

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899545823	OT 40/220...240/24 DIM P	Shipping carton box 20	334 mm x 310 mm x 194 mm	20.09 dm ³	9965.00 g

Product datasheet

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

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.