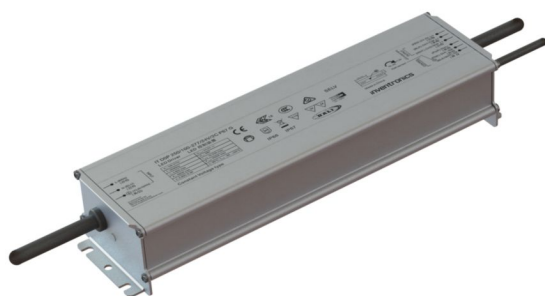


IT D0P 250/100-277/24V/2C P67 G

Constant voltage ECG for LED modules



Product family features

- 1 to 2 DALI addressable channels
- Programmable for DALI DT6 or DT8 operation
- Programmable for 0-10V, PWM dimming modes
- Dimming range: 0/1...100 %
- Inrush current limiter circuit

Product family benefits

- Universal input 100...277 Vac
- 24,2 V output + 1,5 V adjustable
- IP66 and IP67 protection
- High modular PWM output frequency of 20...6 kHz

Areas of application

- Public squares and architecture lighting
- Dimmable signage
- Suitable for indoor and outdoor SELV installations
- Suitable for Class I and II luminaires

Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	90...305 V
Nominal input current at 230 V	1.18 A
Total harmonic distortion	< 10 %
Power factor λ	0.80C...0.99
Efficiency in full-load	92 %
Device power loss	21.7 W
Inrush current	7.6 A ¹⁾
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 16 A (B)	11
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	4 kV
Nominal output voltage	24.2 V ²⁾
U-OUT (working voltage)	28 V
Output ripple current (100 Hz)	< 3 %
Output PSTLM	<1
Output SVM	<0.4
Nominal output power	0...250 W
Maximum output power	200 W
Galvanic isolation	SELV
Galvanic isolation DALI/mains	Double
Networked standby power	<0.5 W

1) @ 230 V, Full load, cold start

2) +1.5 V adjustable via magnet

Dimensions & weight

Length	263.0 mm
Width	70.0 mm
Height	47.0 mm
Mounting hole spacing, length	255 mm
Mounting hole spacing, width	40.0 mm
Cable cross-section, input side	1.0 mm ²
Cable cross-section, output side	2.0 mm ²
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm
Product weight	1330.00 g

Colors & materials

Casing material	Aluminium
Product color	Grey

Temperatures & operating conditions

Ambient temperature range	-30...+50 °C
Maximum temperature at tc test point	90 °C
Temperature range at storage	-25...85 °C
Permitted rel. humidity during operation	5...85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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1) @ tc=tc max -5°C and 10 % failure rate, 14 h ON and 10 h stand-by per day

Capabilities

Programming interface	DALI
Dimmable	Yes
Dimming interface	0/1...10 V / DALI-2 / Pulse Width Modulation
Dimming range	1...100 %
Dimming method	0/1...10 V / DALI - 2 / Pulse Width Modulation
DALI-2 Energy Data	No
Max. cable length to lamp/LED module	<3.0 m
Suitable for fixtures with prot. class	I / II
Suitable for emergency lighting	No
Type of connection, input side	Cables
Type of connection, output side	Cables
Number of channels	2
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
Intended for no-load operation	No
No-load proof	Yes

Programming

Tuner4TRONIC	Yes
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Programmable features

DALI Settings	Yes
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Certificates & standards

Approval marks – approval	CE / ENEC / CCC / MM / RCM / PSE
Standards	IEC/EN 61347-2-13 / IEC/EN 55015 / IEC/EN 61547 / IEC/EN 61347-1 / IEC/EN 62384 / IEC/TR 62778 / IEC/EN 60598-1 / EN
Type of protection	IP66/IP67

Logistical data

Applicable region	APAC (excl. China, India, Japan) / EUROPE / MEA / SOUTH AMERICA
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	28-07-2026
Primary Article Identifier	6937186176806
Declaration No. in SCIP database	In work
SCIP_ID	

Download Data

File		
Product Datasheet	PDF	▶ IT D0P 250_100-277_24 2CH P67 G V1.3 6937186176806 TDS 080726
Mandatory Publications	PDF	▶ IT D0P XX 100-277 24V 2C P67 G 4555959 02 120626
User instruction	PDF	▶ G15132215_UI_DOP_24V_family 040326

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186176806 INVENTRONICS	IT D0P 250/100- 277/24V/2C P67 G	Shipping carton box 9 Pieces	540 x 355 x 230 mm	44.09 dm ³	1650.00 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