PRODUCT DATASHEET
OTi DALI 50/220-240/ 24 4CH DT6/8 G3

CV Power supplies with DALI | CV Power supplies with DALI



Areas of application

- Cove lighting, wall washer, corridor, handrail, luminous ceilings
- Suitable for use in luminaires of protection class I and II

Product benefits

- Intelligent power matching thanks to Smart power supply
- Slim form factor for mounting on the cove or in linear luminaires
- No stroboscopic effect thanks to patented high PWM frequency management (> 2 kHz)
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Available as single-channel or multi-channel with DT6 and DT8 in one device
- DALI message detection "LED Module failure"
- IP rating: IP20

Product features

- Dimmable via Touch DIM
- LED driver whose output power can be shared arbitrarily among the 2 or 4 channels
- Dimming range: 0.1…100 %
- Line frequency: 0 Hz | 50 Hz | 60 Hz

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TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Nominal output power	50 W
Nominal voltage	220…240 V
Nominal output voltage	24 V [1)]
Input voltage range	220…240 V
Input voltage AC	198…264 V
Input voltage DC	176…276 V
U-OUT (working voltage)	24.2 V
Inrush current	41 A
Mains frequency	50/60 Hz
Maximum total harmonic distortion	< 5 %
Power factor λ	> 0.95
ECG efficiency	92 % [2)]
Device power loss	4 W
Max. ECG no. on circuit breaker 10 A (B)	22
Max. ECG no. on circuit breaker 16 A (B)	36
Max. ECG no. on circuit breaker 25 A (B)	33
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV
Flickering metric (Pst LM)	≤1

1) DC voltage

2) at 230 V, 50 Hz

Photometrical data

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

Dimensions & Weight

Length	346 mm
Mounting hole spacing, length	300.6 mm
Width	32.00 mm
Height	22.00 mm
Cable cross-section, input side	0,5…2,5 mm^2
Cable cross-section, output side	0.2…1.5 mm^2
Wire preparation length, input side	5…10 mm
Wire preparation length, output side	4…6 mm

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Product weight	191.00 g

Colors & materials

Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5…85 % [1)]

1) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h

Capabilities

Dimmable	Yes
Dimming interface	DALI-2 / Corridor / Touch DIM
Dimming range	0…100 %
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
Suitable for fixtures with prot. class	I,II
Type of connection, output side	Screw terminal

Certificates & Standards

Approval marks – approval	BIS / CCC / EAC / EL / ENEC 10 / RCM / VDE / VDE-EMC
Standards	Acc. to EN 55015 / Acc. to EN 60598-2-22 / Acc. to EN 61000-3-2 / Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 61547 / Acc. to EN 62384 / Acc. to EN 62386
Protection class	II
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-40…+85 °C

EQUIPMENT / ACCESSORIES

– Suitable for 24 V LED modules

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DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	OPTOTRONIC LED Power Supply
PDF	Declarations of conformity	OTI DALI 50 80 160 -220-240-24 4CHDT6-8
PDF	Declarations of conformity UKCA	OTI DALI 50 80 160 -220-240-24 4CHDT6-8
PDF	Certificates	VDE Certificate
PDF	EU Data Act	Connected Products and Related Software and Services

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4062172274289	Unpacked 1			
4062172274296	Shipping box 20	370 mm x 170 mm x 113 mm	3998.00 g	7.11 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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