OSRAM

PRODUCT DATASHEET
OTi DALI 160/220…240/24 1-2 CH

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

TECHNICAL DATA

Electrical data

Nominal wattage	160.00 W
Nominal output power	160 W
Nominal voltage	220…240 V
Nominal output voltage	24.2 V [1]
Input voltage AC	198…264 V
Input voltage DC	176…276 V
U-OUT (working voltage)	24.2 V
Inrush current	69 A
Mains frequency	50/60 Hz
Total harmonic distortion	< 5 %
Power factor λ	0.99
ECG efficiency	93 %
Device power loss	11.5 W
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)	1 kV
Galvanic isolation	SELV
Power loss in stand-by mode	< 0.3 W

[1] DC voltage

Dimensions & Weight

Length	300.00 mm
Mounting hole spacing, length	260,0 mm
Width	50.00 mm
Height	35.00 mm
Cable cross-section, input side	0,75…2,5 mm²
Cable cross-section, output side	0,75…2,5 mm²
Wire preparation length, input side	6,0 mm
Wire preparation length, output side	6,0 mm
Product weight	380.00 g

Colors & materials

Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C
Maximum temperature at tc test point	90 °C
Max.housing temperature in case of fault	115 °C
Permitted rel. humidity during operation	5…85 % [1]

[1] Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h [1]

[1] T_c = 90°C - 0.2% / 1,000 h failure rate

Additional product data

Encapsulated	Yes

Capabilities

Dimmable	Yes
Dimming interface	DALI-2
Dimming range	0…100 %
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	No
Short-circuit protection	Automatic reversible
Max. cable length to lamp/LED module	10 m
Suitable for fixtures with prot. class	I / II
Type of connection, output side	Screw terminal

Certificates & Standards

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

LOGISTICAL DATA

Temperature range at storage	-20…85 °C

EQUIPMENT / ACCESSORIES

– Suitable for 24 V LED modules

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	OPTOTRONIC LED Power Supply
PDF	Declarations of conformity	3584656 EU Declaration of Conformity (EN)
PDF	Certificates	VDE EMC Certificate 40038482
PDF	Certificates	INOTEC Certificate OTI DALI 160/1-2 CH
PDF	Certificates	OTi DALI 160 CB 63486 280420
PDF	Certificates	CB Test Certificate DE1-59703
PDF	Certificates	VDE ENEC Certificate 40043863 appendix
PDF	Certificates	Certificate NSW27729.1 OTI DALI 160_24
PDF	Certificates	VDE ENEC Certificate 40043863
PDF	Certificates	OT outdoor ENEC 40050684 100220
PDF	Certificates	CCC Certificate 2018171002002183
PDF	Certificates	CEAG Certificate OTI DALI 160/1-2 CH

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899986305	Unpacked 1			
4052899986329	Shipping box 20	335 mm x 268 mm x 167 mm	8065.00 g	14.99 dm³

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.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.