

## PRODUCT DATASHEET

### OTi DALI 75/220...240/24 1...4 CH

#### CV Power supplies with DALI



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#### AREAS OF APPLICATION

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

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#### PRODUCT FAMILY BENEFITS

- Intelligent power matching thanks to Smart power supply
- Slim form factor for mounting on the cove or in linear luminaires
- Minimized flicker thanks to high PWM frequency
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Available as Tunable White version (DALI Device Type 8)
- DALI message detection "LED Module failure"
- IP rating: IP20

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#### PRODUCT FAMILY FEATURES

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

**TECHNICAL DATA**

Electrical data

<b>Nominal voltage</b>	220...240 V
<b>Mains frequency</b>	50...60 Hz
<b>Input voltage AC</b>	198...264 V <sup>1)</sup>
<b>Total harmonic distortion</b>	< 20 %
<b>Power factor λ</b>	0.95/0.90 <sup>2)</sup>
<b>ECG efficiency</b>	89 % <sup>3)</sup>
<b>Device power loss</b>	8.5 W <sup>4)</sup>
<b>Power loss in stand-by mode</b>	<1 W
<b>Inrush current</b>	35.6 A <sup>5)</sup>
<b>Max. ECG no. on circuit breaker 10 A (B)</b>	7
<b>Max. ECG no. on circuit breaker 16 A (B)</b>	12
<b>Max. ECG no. on circuit breaker 25 A (B)</b>	-
<b>Surge capability (L-N)</b>	2 kV
<b>Nominal output voltage</b>	24 V <sup>6)</sup>
<b>U-OUT (working voltage)</b>	24 V
<b>Nominal output power</b>	75 W <sup>7)</sup>
<b>Galvanic isolation</b>	SELV equivalent
<b>Galvanic isolation primary/secondary</b>	3.75 kV <sup>8)</sup>

<sup>1)</sup> Permitted voltage range

<sup>2)</sup> Full load at 230 V/Half load at 230 V/Minimum

<sup>3)</sup> At full load and 230 V

<sup>4)</sup> Maximum

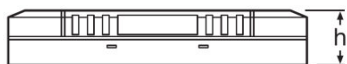
<sup>5)</sup>  $t_{width} = 270 \mu s$  (measured at 50 %  $I_{peak}$ )

<sup>6)</sup> +1.0/-0.5 V

<sup>7)</sup> Partial load 0...75 W

<sup>8)</sup> SELV-equivalent

Dimensions & weight



<b>Length</b>	220.0 mm
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<b>Width</b>	46.2 mm
<b>Height</b>	43.6 mm
<b>Mounting hole spacing, length</b>	180.0 mm
<b>Cable cross-section, input side</b>	0.5...2.5 mm <sup>2</sup>
<b>Cable cross-section, output side</b>	0.5...2.5 mm <sup>2</sup>
<b>Product weight</b>	350.00 g
<b>Wire preparation length, input side</b>	6.0 mm
<b>Wire preparation length, output side</b>	6.0 mm

### Colors & materials

<b>Casing material</b>	Plastic
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### Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Maximum temperature at tc test point</b>	75 °C <sup>1)</sup>
<b>Max.housing temperature in case of fault</b>	110 °C
<b>Permitted rel. humidity during operation</b>	5...85 % <sup>2)</sup>

<sup>1)</sup> Maximum at the T<sub>c</sub>-point

<sup>2)</sup> Maximum 56 days/year at 85 %

### Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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<sup>1)</sup> At T<sub>case</sub> = 70°C at T<sub>c</sub> point / 10% failure rate

### Additional product data

<b>Encapsulated</b>	No
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### Capabilities

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

### Certificates & standards

<b>Approval marks – approval</b>	CE / ENEC 10 / VDE / VDE-EMC / RCM
<b>Standards</b>	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to EN 55015/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 62386-101
<b>Protection class</b>	II
<b>Type of protection</b>	IP20

Logistical data

<b>Temperature range at storage</b>	-40...+85 °C
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Wiring Diagram






Wiring diagram

EQUIPMENT / ACCESSORIES

- Suitable for 24 V LED modules

DOWNLOAD DATA

File	
	Addon Technical Information 320646_ADDON TECHNICAL INFO OPTOTRONIC OTi DALI 75220-24024
	Certificates 730563_VDE Certificate
	Declarations of conformity 727843_Declaration OTi DALI 75

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**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321371577	Shipping carton box 20	348 mm x 247 mm x 265 mm	7918.00 g	22.78 dm <sup>3</sup>

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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.

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**DISCLAIMER**

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