

## OPTOTRONIC OT 80/220-240/24 DIM P

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- Outdoor applications

### Product benefits

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- High surge protection: up to 3 kV (L-N)
- High IP protection (IP67)
- Slim housing design and flexible mounting concept

### Product features

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- SELV equivalent
- Dimmable via fully insulated 1...10 V interface

## Technical data

### Electrical data

<b>Nominal current</b>	0.40 A <sup>1)</sup>
<b>Input voltage</b>	198...264 V <sup>2)</sup>
<b>Nominal voltage</b>	220...240 V
<b>Mains frequency</b>	50/60 Hz
<b>Output voltage</b>	24 V <sup>3)</sup>
<b>Device power loss</b>	12 W <sup>4)</sup>
<b>Max. no. of ECGs on circuit breaker 10 A</b>	7
<b>Max. no. of ECGs on circuit breaker 16 A</b>	10
<b>Output power</b>	80 W
<b>Power loss in stand-by mode</b>	<1.5 W
<b>Inrush current</b>	35 A <sup>5)</sup>
<b>Rated power factor <math>\lambda</math></b>	0.95/0.90 <sup>6)</sup>
<b>Galvanic isolation primary/secondary</b>	3.75 kV <sup>7)</sup>
<b>No-load proof</b>	Yes
<b>Surge capability (L-N)</b>	3 kV

<sup>1)</sup> At 230 V

<sup>2)</sup> Permitted voltage range

<sup>3)</sup> +1.0/-0.5 V

<sup>4)</sup> Maximum

<sup>5)</sup> At 360  $\mu$ s

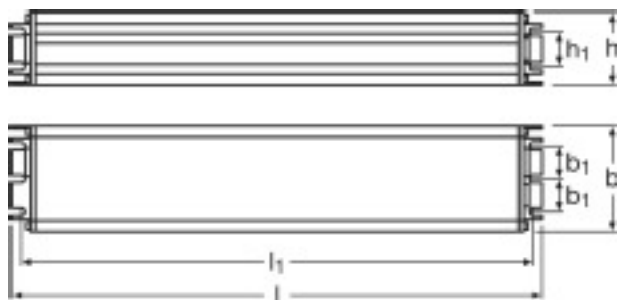
<sup>6)</sup> Minimum/Full load at 230 V/Half load at 230 V

<sup>7)</sup> SELV-equivalent

### Dimensions & weight

<b>Maximum cable length – system</b>	10 m
<b>Length</b>	250.0 mm
<b>Width</b>	50.0 mm
<b>Height</b>	34.0 mm
<b>Product weight</b>	900.00 g
<b>Cable cross-section, output side</b>	1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Cable cross-section, input side</b>	1.0 mm <sup>2</sup> <sup>1)</sup>

<sup>1)</sup> Flexible



Product line drawing with letters

### Temperatures

<b>Ambient temperature range</b>	-25...+55 °C
<b>Operating temperature</b>	80 °C <sup>1)</sup>
<b>Max. housing temperature in case of fault</b>	100 °C

<sup>1)</sup> Maximum at the Tc-point

### Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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<sup>1)</sup> At tcase = 70°C at tc point / 10 % failure rate

### Additional product data

<b>ECG efficiency</b>	87 %
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**Capabilities**

<b>Dimming interface</b>	1...10 V
<b>Dimming range</b>	1...100 %
<b>Dimmable</b>	Yes
<b>Overload protection</b>	Automatic reversible
<b>Overtemperature protection</b>	Automatic reversible
<b>Short-circuit protection</b>	Automatic reversible
<b>Suitable for fixtures with prot. class</b>	II

**Certificates & standards**

<b>Type of protection</b>	IP67
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*Guarantee*

**Logistical Data**

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<b>Product code</b>	<b>Packaging unit (Pieces/Unit)</b>	<b>Dimensions (height x width x length)</b>	<b>Gross weight</b>	<b>Volume</b>
4008321981677	Folding carton box 1	88mm x 50mm x 334mm	970.00g	1.47dm <sup>3</sup>
4008321981738	Shipping carton box 10	393mm x 140mm x 499mm	10006.00g	27.45dm <sup>3</sup>

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## Disclaimer

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