

## OT 9/200...240/350 DIM

CC Power supplies with 1...10 V



### Areas of application

- Suitable for indoor SELV installations

### Product benefits

- Compact housing

### Product features

- Dimmable via external potentiometer

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## Technical data

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### Electrical data

|                                          |                           |
|------------------------------------------|---------------------------|
| Output power                             | 8.5 W                     |
| Input voltage                            | 180...254 V <sup>1)</sup> |
| Mains frequency                          | 50...60 Hz                |
| Output voltage                           | 2.0...25 V <sup>2)</sup>  |
| Output current                           | 0...350 mA <sup>3)</sup>  |
| Nominal voltage                          | 200...240 V               |
| Nominal current                          | 0.10 A <sup>4)</sup>      |
| Device power loss                        | 2.16 W <sup>5)</sup>      |
| Power factor $\lambda$                   | 0.50 <sup>6)</sup>        |
| ECG efficiency                           | 75 % <sup>7)</sup>        |
| Inrush current                           | 15 A <sup>8)</sup>        |
| Max. no. of ECGs on circuit breaker 10 A | 30                        |
| Max. no. of ECGs on circuit breaker 16 A | 48                        |
| Galvanic isolation primary/secondary     | 3.75 kV <sup>9)</sup>     |
| Surge capability (L-N)                   | 1 kV                      |

1) Permitted voltage range

2) Maximum <30 V

3)  $\pm 5$  %

4) At 230 V

5) At 230 V  $P_{AC, P_{out}}$  = maximum,  $T_a = 25$  °C, steady state

6) Minimum/Full load at 230 V

7) Typical / At full load and 230 V

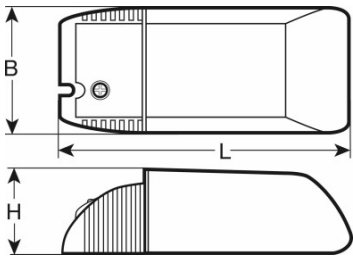
8)  $t_{width} = 170 \mu s$  (measured at 50 %  $I_{peak}$ )

9) SELV-equivalent

### Dimensions & weight

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Product datasheet



Product line drawing

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| Length                              | 108.0 mm                                            |
| Width                               | 53.0 mm                                             |
| Height                              | 33.0 mm                                             |
| Product weight                      | 108.00 g                                            |
| Cable cross-section, input side     | 0.5...1.5 / 0.5...2.5 mm <sup>2</sup> <sup>1)</sup> |
| Cable cross-section, output side    | 0.5...1.5 / 0.5...2.5 mm <sup>2</sup> <sup>1)</sup> |
| Wire preparation length, input side | 5.5...6.5 mm                                        |

<sup>1)</sup> Flexible / Solid leads

Colors & materials

|                 |         |
|-----------------|---------|
| Casing material | Plastic |
|-----------------|---------|

Temperatures

|                                          |                     |
|------------------------------------------|---------------------|
| Ambient temperature range                | -20...+55 °C        |
| Temperature range at storage             | -40...85 °C         |
| Maximum temperature at tc test point     | 70 °C <sup>1)</sup> |
| Max.housing temperature in case of fault | 90 °C               |

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

Lifespan

|              |                       |
|--------------|-----------------------|
| ECG lifetime | 30000 h <sup>1)</sup> |
|--------------|-----------------------|

<sup>1)</sup> At maximum T<sub>c</sub> / 10 % failure rate

Capabilities

|                                        |                   |
|----------------------------------------|-------------------|
| Dimmable                               | Yes <sup>1)</sup> |
| Dimming range                          | 0...100 %         |
| Suitable for fixtures with prot. class | I / II            |

Product datasheet

|                                |                      |
|--------------------------------|----------------------|
| Dimming interface              | 1...10 V             |
| Overheating protection         | Automatic reversible |
| Overload protection            | Automatic reversible |
| Short-circuit protection       | Automatic reversible |
| No-load proof                  | Yes                  |
| Maximum wiring length ECG/lamp | 10 m                 |

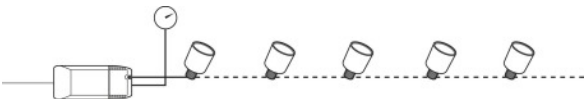
1) 1 channel analog

Certificates & standards

|                           |                                                                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of protection        | IP20                                                                                                                                                                            |
| Standards                 | acc. to IEC 61347-1/acc. to IEC 61347-2-13/acc. to IEC 62384/acc. to IEC 61000-3-2/acc. to EN 55015:2006 + A1:2007 + A2:2009/acc. to IEC 61547:1995 + A1:2000/acc. to DIN 57710 |
| Approval marks – approval | CE / ENEC 10 / VDE                                                                                                                                                              |

Wiring Diagram

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Wiring diagram

Product datasheet



Wiring diagram

Download Data

| File                                                                                |                                                                                                |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|    | Addon Technical Information<br>ADDON TECHNICAL INFORMATION OT 9200-240350 DIM VS20 OSRAM (GB)  |
|  | Certificates<br>VDE-EMC-Certificate OT_OTe_OTp_OT Fit_OTi                                      |
|  | Declarations of conformity<br>Declaration of conformity OT 9200-240350 DIM OT 18200-240700 DIM |
|  | CAD data 3-dim<br>108x52x33 9900021                                                            |
|  | CAD data 3-dim<br>108x52x33 9900021                                                            |
|  | CAD data 3-dim<br>108x52x33 9900021                                                            |
|  | CAD data PDF<br>108x52x33 9900021                                                              |

Logistical Data

| Product code  | Product description    | Packaging unit (Pieces/Unit) | Dimensions (height x width x length) | Volume               | Gross weight |
|---------------|------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4008321187321 | OT 9/200...240/350 DIM | Shipping carton box 20       | 229 mm x 94 mm x 270 mm              | 5.81 dm <sup>3</sup> | 2396.00 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.

Disclaimer

## Product datasheet

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