

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

Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Mains frequency	Input voltage AC	Power factor λ	ECG efficiency	Device power loss
OT 9/200...240/350 DIM	200...240 V	50...60 Hz	180...254 V ¹⁾	0.50 ²⁾	75 % ³⁾	2.16 W ⁴⁾
OT 18/200...240/700 DIM	200...240 V	50...60 Hz	180...254 V ¹⁾	0.52 ²⁾	82 % ³⁾	2.6 W ⁴⁾
Product description	Power loss in stand-by mode	Inrush current	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 16 A (B)	Max. ECG no. on circuit breaker 25 A (B)	
OT 9/200...240/350 DIM	<1 W	15 A ⁵⁾	30	48	-	
OT 18/200...240/700 DIM	<1 W	15 A ⁵⁾	30	48	-	
Product description	Surge capability (L-N)	Nominal output voltage	Nominal output current	Nominal output power	Galvanic isolation	
OT 9/200...240/350 DIM	1 kV	2.0...25 V ⁶⁾	0...350 mA ⁷⁾	8.5 W	SELV equivalent	
OT 18/200...240/700 DIM	1 kV	2.0...25 V ⁶⁾	0...700 mA ⁷⁾	17 W	SELV equivalent	
Product description	Galvanic isolation primary/secondary		Surge capability (L/N-Ground)			
OT 9/200...240/350 DIM	3.75 kV ⁸⁾					
OT 18/200...240/700 DIM	3.75 kV ⁸⁾		-			

¹⁾ Permitted voltage range

²⁾ Minimum/Full load at 230 V

³⁾ Typical

⁴⁾ At 230 V_{AC}, P_{out} = maximum, Ta=25 °C, steady state

⁵⁾ t_{width} = 170 µs (measured at 50 % I_{peak})

⁶⁾ Maximum <30 V

⁷⁾ ±5%

⁸⁾ SELV-equivalent

Dimensions & weight

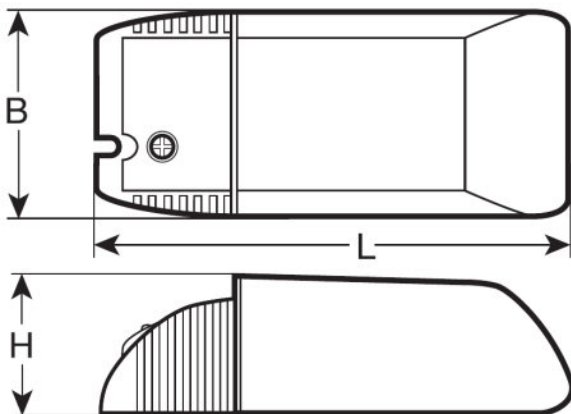
Product description	Length	Width	Height	Mounting hole spacing, width	Product weight	Cable cross-section, input side
OT 9/200...240/350 DIM	108.0 mm	53.0 mm	33.0 mm	0 mm	108.00 g	0.5...1.5 / 0.5...2.5 mm ² ¹⁾
OT 18/200...240/700 DIM	108.0 mm	53.0 mm	33.0 mm	0 mm	108.00 g	0.5...1.5 / 0.5...2.5 mm ² ¹⁾
Product description	Cable cross-section, output side	Wire preparation length, input side	Wire preparation length, output side			
OT 9/200...240/350 DIM	0.5...1.5 / 0.5...2.5 mm ² ¹⁾	5.5...6.5 mm	5.5...6.5 mm			

Product family datasheet

Product description	Cable cross-section, output side	Wire preparation length, input side	Wire preparation length, output side
OT 18/200...240/700 DIM	0.5...1.5 / 0.5...2.5 mm ² ¹⁾	5.5...6.5 mm	5.5...6.5 mm

¹⁾ Flexible

Product line drawing



OT 9/200...240/350 DIM, OT 18/200...240/700 DIM

Colors & materials

Product description	Casing material
OT 9/200...240/350 DIM	Plastic
OT 18/200...240/700 DIM	Plastic

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Permitted rel. humidity during operation
OT 9/200...240/350 DIM	-20...+55 °C	70 °C ¹⁾	110 °C	5...85 % ²⁾
OT 18/200...240/700 DIM	-20...+50 °C	70 °C ¹⁾	90 °C	5...85 % ²⁾

¹⁾ Maximum at the Tc-point

²⁾ Maximum 56 days/year at 85 %

Product family datasheet

Lifespan

Product description	ECG lifetime
OT 9/200...240/350 DIM	30000 h ¹⁾
OT 18/200...240/700 DIM	30000 h ¹⁾

¹⁾ At maximum T_c / 10% failure rate

Additional product data

Product description	Encapsulated
OT 9/200...240/350 DIM	No
OT 18/200...240/700 DIM	No

Capabilities

Product description	Dimmable	Dimming interface	Overheating protection
OT 9/200...240/350 DIM	Yes ¹⁾	1...10 V	Automatic reversible
OT 18/200...240/700 DIM	Yes ¹⁾	1...10 V	Automatic reversible

Product description	Overload protection	Short-circuit protection	No-load proof	Max. cable length to lamp/LED module
OT 9/200...240/350 DIM	Automatic reversible	Automatic reversible	Yes	10 m
OT 18/200...240/700 DIM	Automatic reversible	Automatic reversible	Yes	10 m

Product description	Suitable for fixtures with prot. class	Dimming range
OT 9/200...240/350 DIM	I / II	
OT 18/200...240/700 DIM	I / II	0...100 %

¹⁾ 1 channel analog

Certificates & standards

Product description	Approval marks – approval
OT 9/200...240/350 DIM	CE / ENEC 10 / VDE
OT 18/200...240/700 DIM	CE / ENEC 10 / VDE

Product description	Standards	Protection class
OT 9/200...240/350 DIM	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	I
OT 18/200...240/700 DIM	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	I

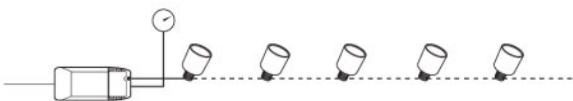
Product family datasheet

Product description	Type of protection
OT 9/200...240/350 DIM	IP20
OT 18/200...240/700 DIM	IP20

Logistical data

Product description	Temperature range at storage
OT 9/200...240/350 DIM	-40...85 °C
OT 18/200...240/700 DIM	-40...85 °C

Wiring Diagram



OT 9/200...240/350 DIM

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Product family datasheet

Country specific information

Product description	Product code	METEL code	SEG-No.	STK number	UK Org
OT 9/200...240/350 DIM	4008321187321	OSROT9350DIM20	-	4030667	-
OT 18/200...240/700 DIM	4008321139320	OSROT18700DIM	-	4031186	-

Download Data

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

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321187321	OT 9/200...240/350 DIM	Shipping carton box 20	270 mm x 94 mm x 229 mm	5.81 dm ³	2396.00 g
4008321139320	OT 18/200...240/700 DIM	Shipping carton box 20	270 mm x 94 mm x 229 mm	5.81 dm ³	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

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