

CC Power supplies with StepDIM



Product features

- SELV equivalent
- 2 output channels
- StepDIM interface: switch between two predefined output currents
- Slim housing with separate plug terminals

Technical data

Electrical data

Product description	Output power	Input voltage	Mains frequency	Output voltage
OTe 13/220...240/350 SD	12 W ¹⁾	198...264 V ²⁾	50...60 Hz	34 V ³⁾
OTe 25/220...240/2X350 SD	24 W ⁹⁾	198...264 V ²⁾	50...60 Hz	34 V ³⁾
OTe 35/220...240/700 SD	35 W ¹⁰⁾	195...264 V ²⁾	50...60 Hz	16...50 V ¹¹⁾
OTe 70/220...240/2X700 SD	70 W ¹⁴⁾	195...264 V ²⁾	50...60 Hz	16...50 V ¹⁵⁾

Product description	Output current	Nominal voltage	Nominal current	Device power loss
OTe 13/220...240/350 SD	350 mA ⁴⁾	220...240 V	0.08 A ⁵⁾	2.4 W ⁶⁾
OTe 25/220...240/2X350 SD	350 mA ⁴⁾	220...240 V	0.13 A ⁵⁾	4.5 W ⁶⁾
OTe 35/220...240/700 SD	700 mA ¹²⁾	220...240 V		
OTe 70/220...240/2X700 SD	700 mA ¹⁶⁾	220...240 V		

Product description	Power factor λ	ECG efficiency
OTe 13/220...240/350 SD	0.90 ⁷⁾	82 % ⁸⁾
OTe 25/220...240/2X350 SD	0.95 ⁷⁾	84 % ⁸⁾
OTe 35/220...240/700 SD	0.95/0.85 ¹³⁾	85 % ⁸⁾
OTe 70/220...240/2X700 SD	0.95/0.90 ¹³⁾	≥ 88 % ⁸⁾

¹⁾ Partial load 1...12 W

²⁾ Permitted voltage range

³⁾ Maximum 38 V

⁴⁾ ± 5 %

⁵⁾ At 230 V

⁶⁾ Maximum

⁷⁾ Minimum/Full load at 230 V

⁸⁾ At full load and 230 V

⁹⁾ Partial load 1...12 W per channel

¹⁰⁾ Partial load 12...35 W

¹¹⁾ Maximum 60 V

¹²⁾ ± 7 %

¹³⁾ Minimum/Full load at 230 V/Half load at 230 V

¹⁴⁾ Partial load 12...35 W per channel

¹⁵⁾ Maximum 55 V per channel

¹⁶⁾ ± 10 %

Dimensions & weight

Product description	Length	Width	Height	Product weight
OTe 13/220...240/350 SD	182.0 mm	41.0 mm	28.0 mm	165.00 g
OTe 25/220...240/2X350 SD	182.0 mm	41.0 mm	28.0 mm	170.00 g

Product family datasheet

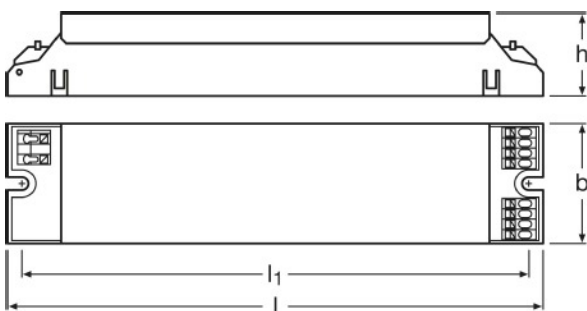
Product description	Length	Width	Height	Product weight
OTe 35/220...240/700 SD	182.0 mm	41.0 mm	28.0 mm	180.00 g
OTe 70/220...240/2X700 SD	280.0 mm	40.0 mm	28.0 mm	340.00 g

Product description	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
OTe 13/220...240/350 SD	0.5...1.0 mm ^{2 1)}	0.5...1.0 mm ^{2 1)}	8.0...11 mm
OTe 25/220...240/2X350 SD	0.5...1.0 mm ^{2 1)}	0.5...1.0 mm ^{2 1)}	8.0...11 mm
OTe 35/220...240/700 SD	0.5...1.5 mm ^{2 2)}	0.5...1.5 mm ^{2 2)}	8.5...9.5 mm
OTe 70/220...240/2X700 SD	0.5...1.5 mm ^{2 2)}	0.5...1.5 mm ^{2 2)}	8.5...9.5 mm

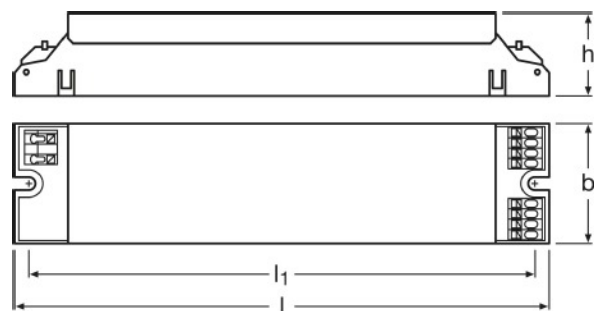
¹⁾ Solid or flexible leads

²⁾ Flexible

Produkt Strichzeichnungen (vermasst)



Product line drawing
OTe 13/220...240/350 SD



Product line drawing
OTe 25/220...240/2X350 SD | OTe 70/220...240/2X700 SD

Temperatures

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault
OTe 13/220...240/350 SD	-20...+55 °C	70 °C ¹⁾	80 °C

Product family datasheet

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault
OTe 25/220...240/2X350 SD	-20...+55 °C	75 °C ¹⁾	80 °C
OTe 35/220...240/700 SD	-25...+50 °C	70 °C ¹⁾	110 °C
OTe 70/220...240/2X700 SD	-25...+50 °C	80 °C ¹⁾	100 °C

¹⁾ Maximum at the Tc-point

Lifespan

Product description	ECG lifetime
OTe 13/220...240/350 SD	50000 h ¹⁾
OTe 25/220...240/2X350 SD	50000 h ¹⁾
OTe 35/220...240/700 SD	50000 h ²⁾
OTe 70/220...240/2X700 SD	50000 h ³⁾

¹⁾ At $T_c = 45^\circ\text{C}$ / 10 % failure rate

²⁾ At $t_{\text{case}} = 60^\circ\text{C}$ at tc point / 10 % failure rate

³⁾ At $t_{\text{case}} = 70^\circ\text{C}$ at tc point / 10 % failure rate

Capabilities

Product description	Dimmable	Dimming range	Suitable for fixtures with prot. class	Dimming interface
OTe 13/220...240/350 SD	Yes	50 / 100 %	I	StepDIM ¹⁾
OTe 25/220...240/2X350 SD	Yes	50 / 100 %	I	StepDIM ¹⁾
OTe 35/220...240/700 SD	Yes			
OTe 70/220...240/2X700 SD	Yes			

Product description	Overheating protection	Overload protection	Short-circuit protection	No-load proof
OTe 13/220...240/350 SD	Automatic reversible	Automatic reversible	Automatic reversible	Yes
OTe 25/220...240/2X350 SD	Automatic reversible	Automatic reversible	Automatic reversible	Yes
OTe 35/220...240/700 SD	Automatic reversible	Automatic reversible	Automatic reversible	Yes
OTe 70/220...240/2X700 SD	Automatic reversible	Automatic reversible	Automatic reversible	Yes

Product description	Maximum wiring length ECG/lamp
OTe 13/220...240/350 SD	5.0 m
OTe 25/220...240/2X350 SD	5.0 m
OTe 35/220...240/700 SD	2.0 m
OTe 70/220...240/2X700 SD	2.0 m

Product family datasheet

¹⁾ by external switch or digital PIR sensor

Certificates & standards

Product description	Type of protection	Standards
OTe 13/220...240/350 SD	IP20	acc. to IEC 61347-1/acc. to IEC 61347-2-13/acc. to IEC 62384/acc. to IEC 61000-3-2/acc. to IEC 61000-3-3/acc. to IEC 61547/acc. to CISPR 15
OTe 25/220...240/2X350 SD	IP20	acc. to IEC 61347-1/acc. to IEC 61347-2-13/acc. to IEC 62384/acc. to IEC 61000-3-2/acc. to IEC 61000-3-3/acc. to IEC 61547/acc. to CISPR 15
OTe 35/220...240/700 SD	IP20	acc. to IEC 61347-1/acc. to EN 61347-2-13/acc. to IEC 62384/acc. to CISPR 15/acc. to IEC 61000-3-2/acc. to IEC 61000-3-3/acc. to IEC 61547
OTe 70/220...240/2X700 SD	IP20	acc. to IEC 61347-1/acc. to EN 61347-2-13/acc. to IEC 62384/acc. to CISPR 15/acc. to IEC 61000-3-2/acc. to IEC 61000-3-3/acc. to IEC 61547

Application advice

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

Sales and Technical Support

Sales and Technical Support www.osram.com

Country specific information

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
OTe_13/220-240/350 SD	4008321519795	-	7980589	4030098	-
OTe_25/220-240/2x350 SD	4008321523686	-	7980590	4030099	-
OTe 35/220-240/700 SD	4008321989543	-	7980593	4030153	-

Product family datasheet

OTe 70/220-
240/2x700 SD

4008321989567





-

7980594

4030154

-

Download Data

File	
	Product Datasheet OPTOTRONIC OTe 13220-240350 SD (EN)
	Product Datasheet OPTOTRONIC OTe 25 220-240 2x350 SD (EN)
	Product Datasheet OPTOTRONIC OTe 35220-240700 SD (EN)
	Product Datasheet OPTOTRONIC OTe 70220-2402x700 SD (EN)

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321519795	OTe 13/220...240/350 SD	Shipping carton box 20	221 mm x 79 mm x 378 mm	6.60 dm ³	3725.00 g
4008321523686	OTe 25/220...240/2X35 0 SD	Shipping carton box 20	466 mm x 87 mm x 378 mm	15.32 dm ³	3816.00 g
4008321989543	OTe 35/220...240/700 SD	Shipping carton box 20	221 mm x 88 mm x 378 mm	7.35 dm ³	4327.00 g
4008321989567	OTe 70/220...240/2X70 0 SD	Shipping carton box 20	79 mm x 221 mm x 574 mm	10.02 dm ³	4498.00 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.