

TRG100A

100 Watt

- Desktop adapter for the industry
- High reliability (MTBF)
- Compliant with ErP and CEC level V

The series TRG100A desktop adapters supply power to professional devices in commerce and industry. Robustly constructed, the adapters are also equipped with top quality components for many years of operation. They comply with current requirements for ecological design and have an idle consumption of less than 0.5 Watt. The entirely closed plastic case protects the adapter against dust and dirt.



Desktop adapter

Technical data

Input voltage	90...264 V AC, active PFC
Input frequency	47...63 Hz
Inrush current	120 A max / 264 V AC
Efficiency	App. 87 %
Idle consumption	≤0.5 W
Hold up time	App. 20 ms / 115 V AC
Protection	Short circuit protection: Switch off with auto recovery Overvoltage protection: Re-start after disconnection of supply
Line regulation	±2...4 % at rated load and input voltage change of 100...240 V AC
Load regulation	±≤3 % (Loadstep ±40 % related to 60 % load)
Earth leakage current	<3.5 mA
Safety / EMC	TÜV, UL, CB, CE
Operating temperature	0...+50 °C
Derating	In the range of +40...+50 °C, 5 % / °C
MTBF	App. 155 000...185 000 h according to MIL-HDBK-217F at +25 °C
Storage temperature	-20...+85 °C
Operating humidity	10...93 % RH, non-condensing
Dimensions (WxDxH)	70 x 150 x 35 mm ±0.5 mm
Weight (net)	0.6 kg

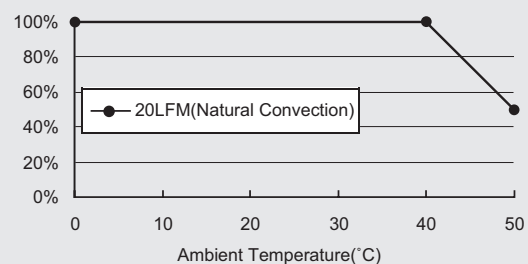
Product specific data

ECO standard	ErP directive 2009/125/EG, CEC level V
Max. operation height	2000 m



Cling pad, Art. No. KP-01

Derating

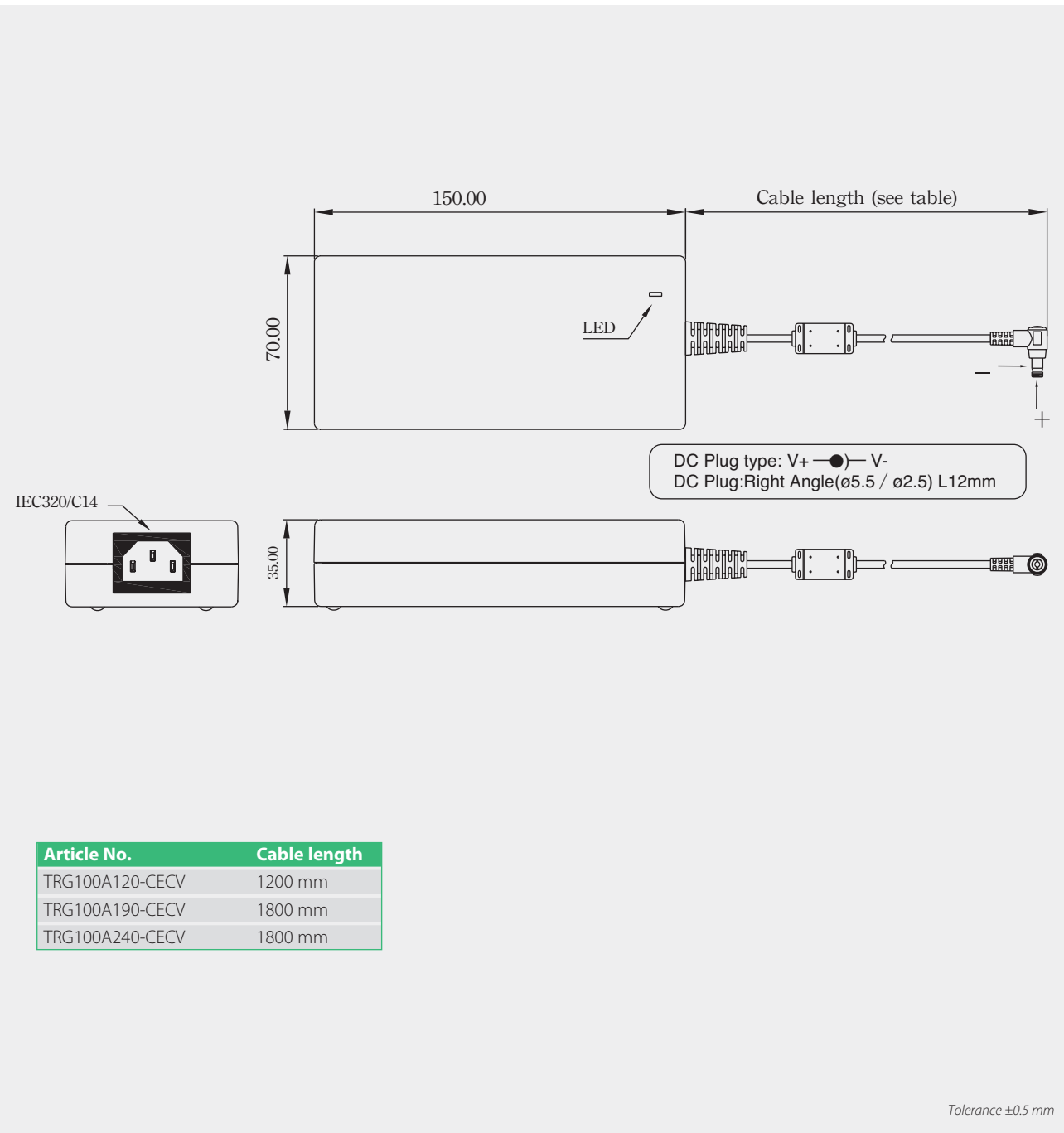


Article No.	Output voltage	Output current min	Output current rated load	Ripple & Noise	Efficiency
TRG100A120-CECV	+12 V	0 A	8.34 A	<120 mV _{SS}	App. 87 %
TRG100A190-CECV	+19 V	0 A	5.21 A	<190 mV _{SS}	App. 87 %
TRG100A240-CECV	+24 V	0 A	4.17 A	<240 mV _{SS}	App. 87 %

Additional output voltages (+15V, +18V, +20V, +28V, +29V, +30V, +36V, +48V, +54V) are available on request.

Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 100 nF and 10 µF capacitors at the output. Output voltage was adjusted to ±2 % at 60 % load. The final assembly has to comply with the valid EMC and safety standards.

Drawing TRG100A



Article No.	Cable length
TRG100A120-CECV	1200 mm
TRG100A190-CECV	1800 mm
TRG100A240-CECV	1800 mm

Optional accessory ▷▷▷ For detailed information please visit our website www.bicker.de and refer to the article number.

Article No.	Description
KP-01	Cling pad for fast and easy attachment of desktop adapters

Specification is subject to change without notice. Errors excepted. Status as at: 05.03.2012