

TRG45

45 Watt

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

The series TRG45 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 0.3 Watt. The entirely closed plastic case protects the adapter against dust and dirt.



Desktop adapter

Technical data

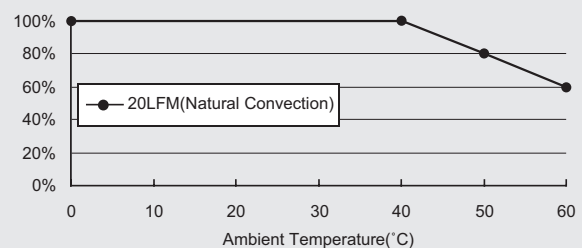
Input voltage	90...264 V AC
Input frequency	47...63 Hz
Inrush current	70 A max / 240 V AC
Efficiency	App. 86...87 %
Idle consumption	<0.3 W
Hold up time	App. 8 ms / 115 V AC
Protection	Short circuit protection: Switch off with auto recovery Overvoltage protection: Re-start after disconnection from supply
Line regulation	±1 % at rated load and input voltage change of 100...240 V AC
Load regulation	±≤3 % (Load step ±40 % related to 60 % load)
Leakage current	<0.2 mA earth leakage current (240 V AC / 63 Hz)
Safety / EMC	TÜV, UL, CCC, CE
Temperature	Operating: 0...+60 °C / Storage: -20...+85 °C
Derating	In the range of +40...+60 °C, 2 % / °C
Max. operation altitude	3000 m
MTBF	App. 340 000 h according to MIL-HDBK-217F at +25 °C
Humidity	Operating: 10...85 % RH, non-condensing / Storage: 10...90 % RH, non-condensing
Dimensions (WxDxH)	52 x 120 x 31 mm ±0.5 mm
Weight (net)	0.28 kg

Product specific data

ECO standard	ErP directive 2009/125/EG, CEC level V
Earth conductor	The earth conductor PE (primary) is connected to -V _{out} (secondary)



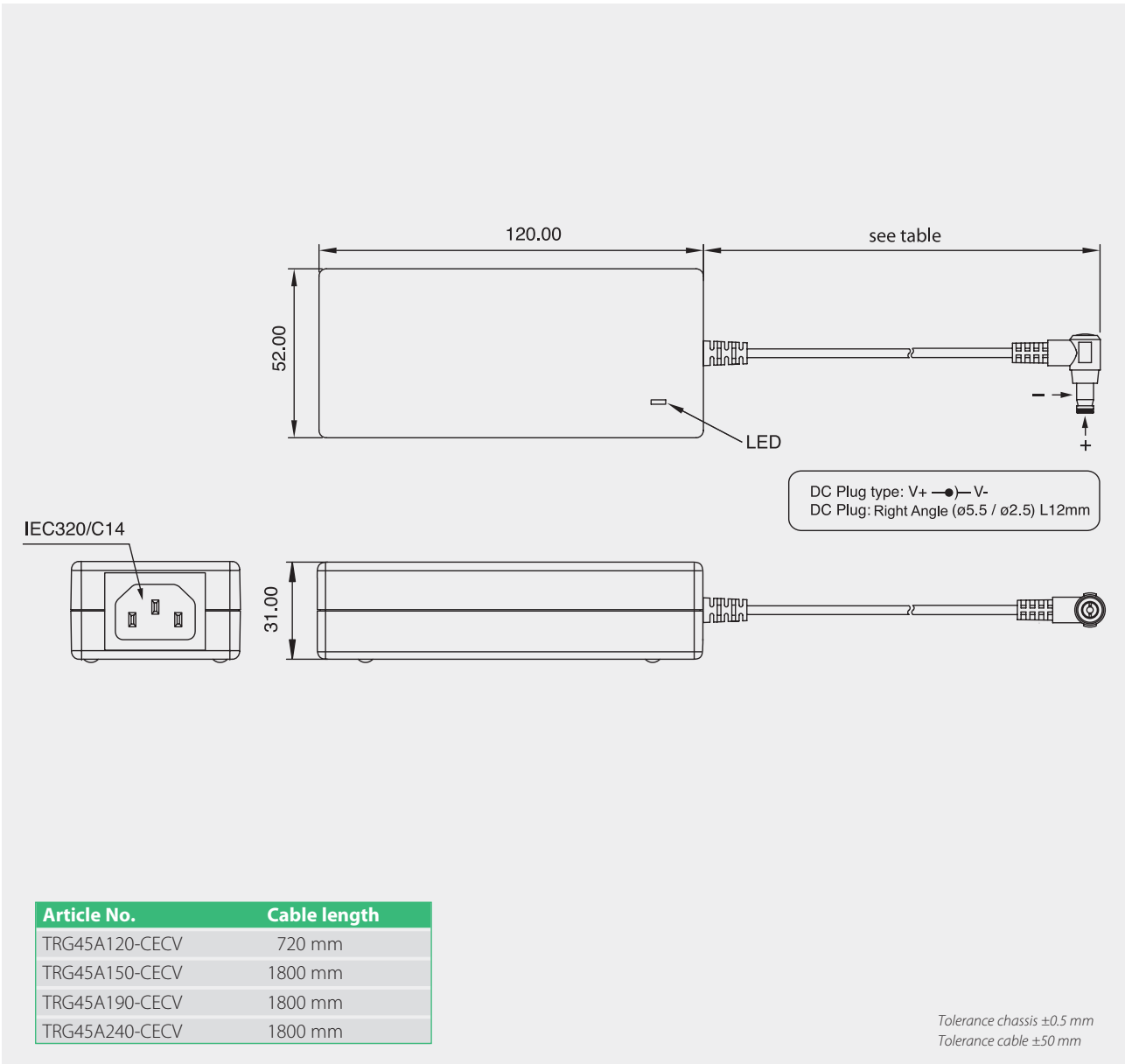
Derating



Article No.	Output voltage	Output current min	Rated load	Ripple & Noise	Efficiency
TRG45A120-CECV	+12 V	0 A	3.75 A	<120 mV _{SS}	App. 86 %
TRG45A150-CECV	+15 V	0 A	3 A	<150 mV _{SS}	App. 86 %
TRG45A190-CECV	+19 V	0 A	2.37 A	<190 mV _{SS}	App. 86 %
TRG45A240-CECV	+24 V	0 A	1.88 A	<240 mV _{SS}	App. 87 %

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 TRG45



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
X1-132	Power cord with European IEC-60320-C13 connector
PSZ-1008	Female adapter, DC jack on screw terminal
CB-TRG-EXT	DC extension cable