

TRG21

20 Watt

- For industrial and medical applications
- High reliability (MTBF)
- Compliant with ErP and CEC level V

The series TRG21 desktop adapters supply power to professional devices in commerce, industry and medical applications. 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 entire closed plastic case can easily be disinfected.



NEW



Technical data

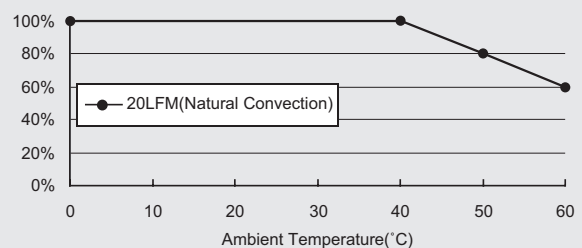
Input voltage	90...264 V AC
Input frequency	47...63 Hz
Inrush current	40 A max / 240 V AC
Efficiency	App. 75...85 %
Idle consumption	<0.3 W
Hold up time	App. 8 ms / 115 V AC
Protection	Short circuit protection: Switch off with auto recovery Overvoltage protection: Re-start after disconnection from supply
Line regulation	±1 % at rated load and input voltage change of 100...240 V AC
Load regulation	±5 % (Load step ±40 % related to 60 % load)
Leakage current	<0.1 mA
Safety / EMC	TÜV (IEC/EN60601-1 3rd Edition), UL (UL60601-1), CAN/CSA-C22.2 No 601.1-M90, TÜV (IEC/EN60950-1), CB, CE
Operating temperature	0...+60 °C
Derating	In the range of +40...+60 °C, 2 % / °C
MTBF	App. 400 000 h according to MIL-HDBK-217F at +25 °C
Storage temperature	-20...+85 °C
Operating humidity	10...93 % RH, non-condensing
Dimensions (WxDxH)	45.2 x 76.2 x 22.1 mm ±0.5 mm
Weight (net)	0.14 kg

Product specific data

ECO standard	ErP directive 2009/125/EG, CEC level V
Max. operation height	3000 m



Derating

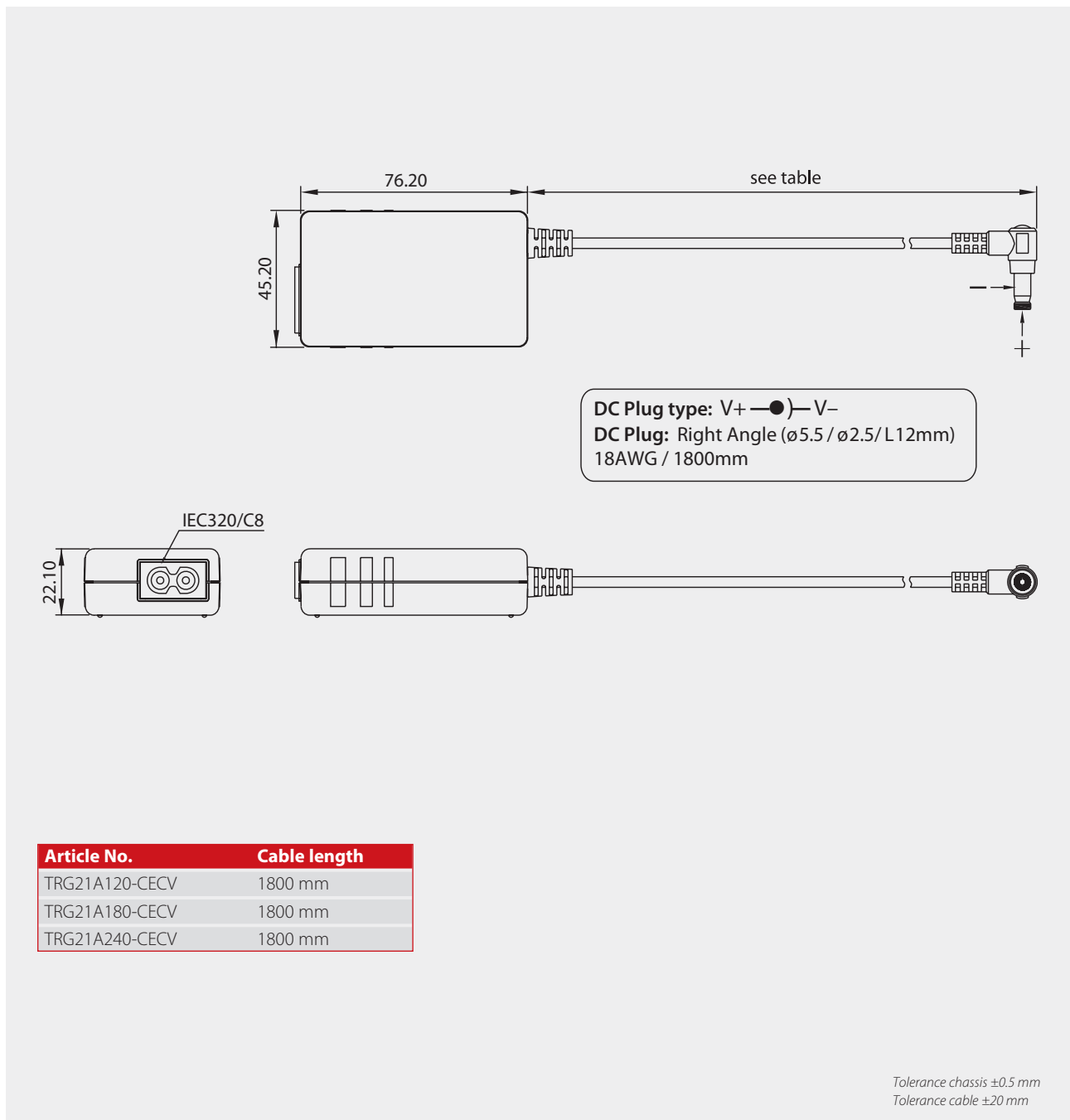


Article No.	Output voltage	Output current min	Rated load	Ripple & noise	Efficiency
TRG21A120-CECV	+12 V	0 A	1.8 A	<120 mV _{SS}	App. 81 %
TRG21A180-CECV	+18 V	0 A	1.2 A	<180 mV _{SS}	App. 84 %
TRG21A240-CECV	+24 V	0 A	0.9 A	<240 mV _{SS}	App. 85 %

Additional output voltages (+5 V, +9 V, +15 V) 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 TRG21



Article No.	Cable length
TRG21A120-CECV	1800 mm
TRG21A180-CECV	1800 mm
TRG21A240-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