

DA45C Series

45 Watts USB PD 3.0

Data Sheet

Total Power:	45 Watts
Input Voltage:	100 - 240 Vac
# of Outputs:	Single
Output Voltage:	5 V, 9 V, 15V, and 20 Vdc (Changeable)



SPECIAL FEATURES

- Small size: 58 x 40.2 x 27 mm (excluding pins)
- Input range 100 – 240 Vac
- High average loading efficiency 88% min. @ 20 Vdc
- USB Type C connector output
- Operating temp range 0 °C to +40 °C
- Reinforced insulation: 3000 Vac rms
- Overvoltage protection
- Overtemperature protection
- Overcurrent protection
- Elegant enclosure ID design
- USB-PD 3.0 technology compliant
- European Coc v5 T2 & US DoE VI compliant
- One year warranty

SAFETY

- cUL/UL 62368-1, IEC/EN 62368-1
- CCC, FCC, NRCAN, PSE, CE

Electrical Specifications

Input	
Input range	90 - 264 Vac (wide range)
Frequency	47 - 63 Hz
Input current	1.22 A max @ 90 Vac input, 20 Vdc full load
EMI/RFI	FCC Part 15 Class B, EN55032
Leakage current	100 µA @ 250 Vac input
Output	
Voltage (single output)	5 V, 9 V, 15 V, 20 V (four voltage options)
Voltage regulation	± 5%
Maximum power	45 W
Hold-up time	10 msec min @ 115 Vac input, 20 Vdc full load
Overvoltage protection	Latching type, AC recycling is needed
Overcurrent protection	Current limit at > 100%, Hiccup mode
Overtemperature protection	Latching type, AC recycling is needed
Output connector	USB Type C

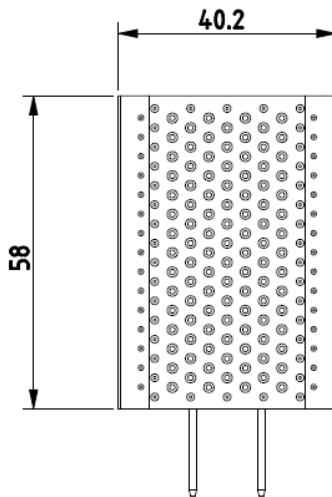
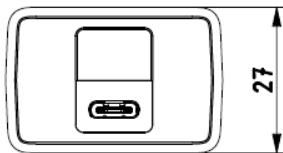
Environmental Specifications

Operating temperature	-0 ° to +40 °C ambient
Storage temperature	-40 °C to +85 °C
Humidity	Operating; non-condensing 5% to 95% RH

Ordering Information

Model Number	Ordering/Safety Model Number	AC Plug	Maximum Power	Output Voltage	Minimum Load	Maximum Load	Regulation	Ripple P/P
DA45C-J3WUS	700-014340-0000	US	45 W	5.0 V	0 A	3.0 A	± 5%	≤ 500 mV
				9.0 V	0 A	3.0 A	± 5%	≤ 500 mV
				15.0 V	0 A	3.0 A	± 5%	≤ 600 mV
				20.0 V	0 A	2.25 A	± 5%	≤ 600 mV
DA45C-J3WCH	700-014340-0100	CH	45 W	5.0 V	0 A	3.0 A	± 5%	≤ 500 mV
				9.0 V	0 A	3.0 A	± 5%	≤ 500 mV
				15.0 V	0 A	3.0 A	± 5%	≤ 600 mV
				20.0 V	0 A	2.25 A	± 5%	≤ 600 mV
DA45C-J3WEU	700-014340-0200	EU	45 W	5.0 V	0 A	3.0 A	± 5%	≤ 500 mV
				9.0 V	0 A	3.0 A	± 5%	≤ 500 mV
				15.0 V	0 A	3.0 A	± 5%	≤ 600 mV
				20.0 V	0 A	2.25 A	± 5%	≤ 600 mV

Mechanical Drawings



AC Plug Configuration for Fixed Plug

U.S. 2-prong	US
China 2-prong	CH
Europe 2-prong	EU

NOTE:

- All dimensions in mm
- PSU weight is 85 grams nominal

WORLDWIDE OFFICES

Americas

2900 S.Diablo Way
 Tempe, AZ 85282
 USA
 +1 888 412 7832

Europe (UK)

Waterfront Business Park
 Merry Hill, Dudley
 West Midlands, DY5 1LX
 United Kingdom
 +44 (0) 1384 842 211

Asia (HK)

14/F, Lu Plaza
 2 Wing Yip Street
 Kwun Tong, Kowloon
 Hong Kong
 +852 2176 3333

ARTESYN[™]
 EMBEDDED TECHNOLOGIES

www.artesyn.com

Artesyn Embedded Technologies, Artesyn and the Artesyn Embedded Technologies logo are trademarks and service marks of Artesyn Embedded Technologies, Inc. All other names and logos referred to are trade names, trademarks, or registered trademarks of their respective owners. Specifications subject to change without notice. © 2017 Artesyn Embedded Technologies, Inc. All rights reserved. For full legal terms and conditions, please visit www.artesyn.com/legal.

For more information: www.artesyn.com/power
 For support: productsupport.ep@artesyn.com