CXA20 Series



DC-DC CONVERTERS 20 W DC-DC Converters

For the most current data and application support visit www.artesyn.com/powergroup/products.htm

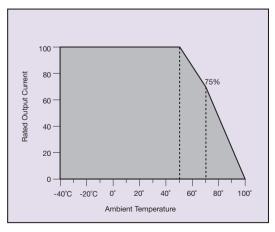
INPUT VOLTAGE	OUTPUT VOLTAGE	OVERVOLTAGE PROTECTION ^(2,3)	OUTPUT CURRENT (MAX.)	TYPICAL EFFICIENCY	MODEL NUMBER ^(10,11)
18-75 Vdc	3.3 V	3.7 V	6 A	80%	CXA20-48S3V3J
18-75 Vdc	5 V	6.67 V	4 A	83%	CXA20-48S05J
18-75 Vdc	12 V	14.25 V	1.66 A	83%	CXA20-48S12J
18-75 Vdc	±5 V	6.67 V	2 A ea.	84%	CXA20-48D05J
18-75 Vdc	±12 V	14.25 V	0.83 A ea.	84%	CXA20-48D12J

Notes

- 1 Negative output voltage deviation when either load is changed.
- 2 For TVS/Zener specifications please see Application Note 107.
- 3 On dual output models, OVP protection is on positive outputs only.
- 4 With respect to minimum input voltage.
- 5 With one external 4 μ F capacitor across the input.
- 6 Unit provides basic insulation up to the 75 Vdc maximum input voltage.
- 7 Maximum continuous output power not to exceed 20 Watts.
- 8 User must provide 2 A HRC (recommended) in line fuse in order to comply with safety approvals.
- 9 Download Application Note 107 and the full data sheet from our website.
 10 The 'J' suffix indicates that these parts are Pb-free (RoHS 6/6) compliant. TSE RoHS 5/6 (non Pb-free) compliant versions may be available on special request, please contact your local sales representative for details.
- 11 NOTICE: Some models do not support all options. Please contact your local Artesyn representative or use the on-line model number search tool at http://www.artesyn.com/powergroup/products.htm to find a suitable alternative.

PIN CONNECTIONS					
PIN NUMBER	SINGLE OUTPUT	DUAL OUTPUT			
1	+ Input	+ Input			
2	– Input	- Input			
3	No Pin	No Pin			
4	Remote On/Off	Remote On/Off			
5	No Pin	+ Output			
6	+ Output	Common			
7	- Output	- Output			
8	Trim	Trim			

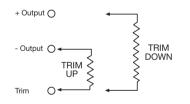
MAX. TEMPERATURES FOR FULL RATED OUTPUT CURRENT						
MODEL	FULL Vin RANGE	Vin <60 Vdc				
48S3V3J	50 °C	50 °C				
48S05J	55 °C	60 °C				
48S12J	50 °C	55 °C				
48D05J	55 °C	60 °C				
48D12J	50 °C	60 °C				



Derating Curve Output Current vs Temperature S3V3J Natural Convection (<0.1 m/s airflow)

EXTERNAL OUTPUT TRIMMING

All models can be externally trimmed by $\pm 10\%$ using either method shown below. See Application Note 107 for details.



CAUTION: Hazardous internal voltages and high temperatures. Ensure that unit is not user accessible.

International Safety Standard Approvals



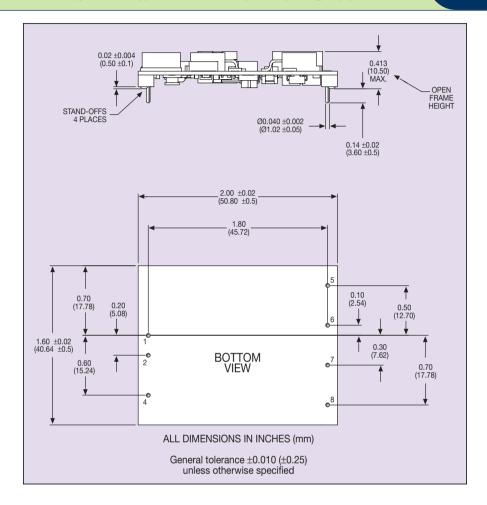
UL/cUL CAN/CSA 22.2 No. 60950-00 : UL 60950 File No. E174104 VDE Certificate No.112836. File No. 10401-3336-0154 CB Report and Certificate to IEC60950, Licence No. 121914

CXA20 Series Single and dual output



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Please consult our website for the following items:
✓ Application Note ✓ Longform Data Sheet

Downloaded from Arrow.com.