POWER SUPPLY 1-PHASE, 24 V DC DIMENSION C SERIES, 3 AND 5A

CS3.241
PSU 100-240V ac I/P 24V dc 3.3A 80W O/P



- Output currents of 3 and 5 A
- Width 32mm
- Efficiency 90%
- 5A-model has a 20% power reserve

PRODUCT DESCRIPTION

The DIMENSION C-Line units are cost optimized power supplies without compromising quality, reliability and performance. The C-Line is part of the DIMENSION power supply family, existing alongside the high featured Q-Line.
The CS3.241 includes all the essential basic functions but also includes important features of small size, high efficiency, wide temperature range and is NEC Class 2 compliant.
The CS5.241 includes all the essential basic functions and the devices have a power reserve of 20%. This extra current may even be used continuously at temperatures up to +45°C.
The most important features are the small size, high efficiency and the wide temperature range.
The Auto-select input makes worldwide installation and usage very simple. Defects or system failures caused by wrongly set switches cannot occur.
High immunity to transients and power surges as well as low electromagnetic emission and a large international approval package for a variety of applications makes this unit suitable for nearly every situation.

- AC 100-240V Wide-range Input
- Width only 32mm
- NEC Class 2 Compliant
- Full Power Between -25°C and +60°C
- Optional with Conformal Coated PC-boards (CS5.241-C1)
- Optional with Spring-clamp Terminals (CS5.241-S1)
- Efficiency up to 90.2%
- Easy Fuse Breaking due to High Overload Peak Current
- 20% Output Power Reserves
- Full Power Between -25°C and +60°C
- Minimal Inrush Current Surge
- 3 Year Warranty

SPECIFICATIONS

Active Transient	Yes
Approvals	ABS, CB, CE, CSA US, cRUus, cULus, GL, NEC Class 2
Depth	102
Effect	80

Efficiency At 120 V AC, full load. Typical	88
Efficiency At 230 V AC, full load. Typical	89.8
Efficiency At 230 V AC. Typical	87.7
Height	124
Hold-up time at 120 V AC, full load. Typical.	29
Hold-up time at 230 V AC, full load. Typical.	120
Input current at 230 V ac typical	45
Input voltage AC	100-240 V
Input voltage ac max	264
Input voltage ac min	90
Input voltage DC	110-300 V
Input voltage dc max	375
Input voltage dc min	88
Input voltage range	Wide-range
Inrush current at 120 V ac typical	23
IP Class	IP20
Lifetime at 120 V ac, full load and +40 ° C	64000
Lifetime at 230 V ac, full load and +40 ° C	77000
MTBF (IEC 61709) 230 V AC, Maximum Load, 40 ° C	2243000
Number of phases	1
Output Current	3.3
Output voltage	24
Output voltage max	28
Output voltage min	24
Power Consumption At 120 V AC	1.23
Power Consumption At 230 V AC	0.68
Power Factor at 120 V AC, full load. Typical	0.61
Power Factor at 230 V AC, full load. Typical	0.56
Power Reduction Of 60 To 70 ° C	1.8
Ripple. max	50
Series	Dimension C
Supply Frequency	50-60 ±6 %
Temperature Range Without Derating From	-25
Temperature Range Without Derating To	60

Weight	0.43
Width	32





