



POWER SUPPLY

- AC 100-120 / 200-240V Auto Select Input
- PFC Inductor included
fulfills EN 61000-3-2
- Efficiency up to 91.2%
- Width only 60mm
- 20% Output Power Reserves (short term)
- Full Output Power Between -25°C and +60°C
- Minimal Inrush Current Surge
- 3 Year Warranty

1. GENERAL DESCRIPTION

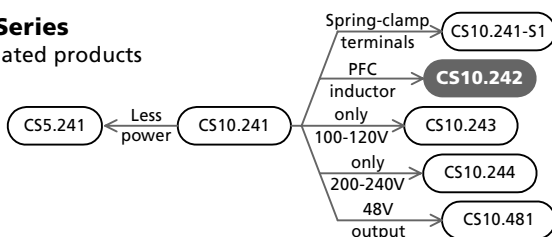
The Dimension C-Series are cost optimized power supplies without compromising quality, reliability and performance. The C-Series is part of the Dimension power supply family, existing alongside the high featured Q-series.

The C series includes all the essential basic functions and the devices have a power reserve of 20%. The most important features are the small size, the high efficiency and the wide temperature range. The specialty of the CS10.242 is the PFC filter with which the harmonic standard EN61000-3-2 is fulfilled.

The Auto-select input makes worldwide installation and usage very simple. Defects or system failures caused by wrongly set switches can not occur.

C-Series

Related products



2. SHORT-FORM DATA

Output voltage	DC 24V	
Adjustment range	24 - 28V	
Output current	10 – 8,6A	ambient <60°C
Output power	240W	ambient <60°C
Output ripple	< 50mVpp	20Hz to 20MHz
Input voltage	AC 100-120 / 200-240V	Auto-select Input
Mains frequency	50-60Hz	±6%
AC Input current	typ. 3.73 / 2.0A	at 120 / 230Vac
Power factor	typ. 0.59 / 0.57	at 120 / 230Vac
AC Inrush current	typ. 3A peak	
DC Input	not allowed	
Efficiency	typ. 91.0 / 91.2%	at 120 / 230Vac
Losses	typ. 23.7 / 23.2W	at 120 / 230Vac
Temperature range	-25°C to +70°C	operational
Derating	6W/°C	+60 to +70°C
Hold-up time	typ. 46 / 42ms	at 120 / 230Vac
Dimensions	60x124x117mm	WxHxD

3. ORDER NUMBERS

Power Supply	CS10.242	Standard unit
Accessory	ZM1.WALL ZM13.SIDE YRM2.DIODE	Wall mount bracket Side mount bracket Redundancy module

4. MARKINGS

