



POWER SUPPLY

- AC 100-120 / 200-240V Auto-select Input
- Width only 32mm
- 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

GENERAL 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 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.

SHORT-FORM DATA

Output voltage	DC 24V	
Adjustment range	24 - 28V	
Output current	5A	at 24V, amb <60°C
	6A	at 24V, amb <45°C
	4.3A	at 28V, amb <60°C
	5.1A	at 28V, amb <45°C
Output power	120W	ambient <60°C
	144W	ambient <45°C
Output ripple	< 50mVpp	20Hz to 20MHz
AC Input voltage	AC 100-120V /	±10%
	200-240V	Auto-select input
Mains frequency	50-60Hz	±6%
AC Input current	2.0 / 1.23A	at 120 / 230Vac
DC Input voltage	-	not allowed
Power factor	0.56 / 0.47	at 120 / 230Vac
AC Inrush current	3 / 3A peak	at 120 / 230Vac
Efficiency	89.4 / 90.2%	at 120 / 230Vac
Losses	14.5 / 13.2W	at 120 / 230Vac
Temperature range	-25°C to +70°C	operational
	Derating *)	3W/°C
Hold-up time	80 / 78ms	at 120 / 230Vac
Dimensions	32x124x117mm	WxHxD
Weight	500g / 1.1lb	

ORDER NUMBERS

Power Supply	CS5.241	24-28V Standard unit
	CS5.241-C1	With conformal coated pc-boards
	CS5.241-S1	with quick-connect spring-clamp terminals
Accessory	ZM1.WALL	Wall mount bracket
	ZM13.SIDE	Side mount bracket
	YRM2.DIODE	Redundancy module

MARKINGS

