

CPS22x/23x/24x MAIN ADAPTERS

The CPS221/222/223, CPS231/232/233 and CPS241/242/243 are AC/DC regulated mains adapters for CFO series fibre optic units stand-alone installations.

CPS221/222/223 mains adapters provide +12 VDC / 1.5 A (18 W) output for CMA011 module adapters.

CPS231/232/233 mains adapters provide +12 VDC / 1.5 A (18 W) output for CMA021/031 module adapters.

CPS241/242/243 mains adapters provide +12 VDC / 3.3 A (40 W) output for CMA021/031 module adapters.

Available models cover outlet standards used in Europe (CPS2x1), UK (CPS2x2) and USA (CPS2x3).



The Supply voltage for CMA module adapters is provided by a CPS22x/23x/24x series mains adapters.



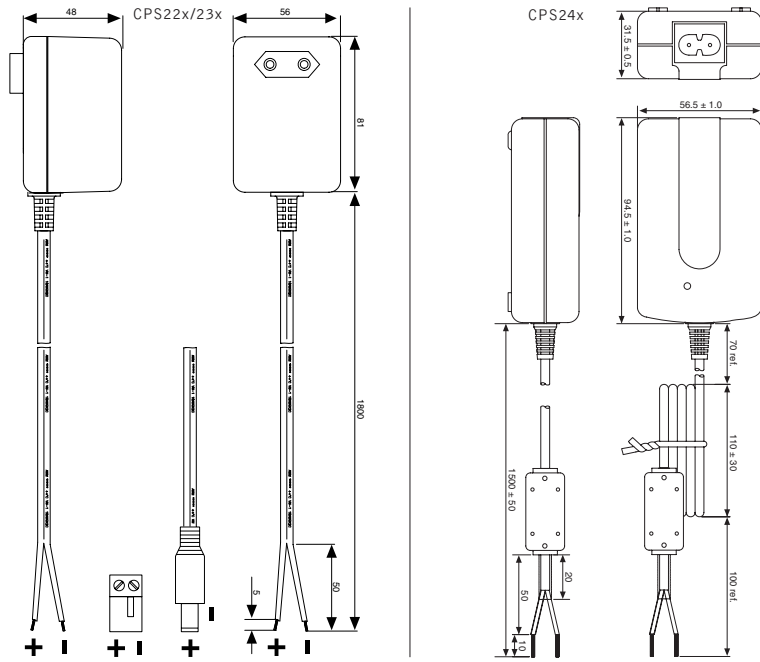
12V Main adapters

CPS22x/23x/24x

FEATURES AND BENEFITS

- Mains adapter for CMA module adapters and other CFO standalone units
- Universal input voltage: 90...264 VAC
- +12 VDC / 1.5 A output (CPS22x & 23x)
- +12 VDC / 3.3 A output (CPS24x)
- Short circuit protection
- Meets EN55022 class "B" conducted (CPS22x/23x)
- CE and UL approved, TUV certified

DIMENSIONS



TECHNICAL SPECIFICATIONS (Typical values unless otherwise stated)

Parameter	Specification	Note	Parameter	Specification	Note
CPS22x/23x Power Supply			CPS241/242/243 Power Supply		
(Typical at 25°C, nominal line and 75% load, unless otherwise specified)					
Input Characteristics			Input Characteristics		
Voltage	90...264 VAC		Voltage (max)	90...264 VAC	
Frequency	47...63 Hz		Frequency	47...63 Hz	
Input current (max)	0.7 A		Input current (max)	1.5 A	at 90 VAC
Inrush current (max)	50 A	264 VAC	Input current (max)	0.75 A	at 265 VAC
Electrical Specifications			Electrical Specifications		
Output voltage	12 VDC		Output voltage	12 VDC	
Output current	2.1 A	max load at +40 °C	Output current	3.3 A	max load at +50 °C
	1.5 A	max load at +55 °C	Output current	2.1 A	max load at +75 °C
Ripple & noise (1%)	50 mVp-p	add a 0.1 µF CC and 10 µF E.L. cap. to output, 20 MHz BW	Ripple & noise (tested by dc loading side parallel with a 10 µF e.l. cap. and 0.1 µF CC, 20 MHz BW)	<200 mVp-p	
Line regulation	± 1 %	from 100...240 VAC, full load	Environmental		
Load regulation	± 5 %	60% ± 40% full load	Operating temperature	0...+55 °C	at 50 W condition
Environmental				0...+75 °C	at 25 W condition
Operating temperature	0...+55 °C		Start operation	-40 °C	
Storage temperature	-20...+85 °C		Storage temperature	-40...+70 °C	
Output Characteristics			Output Characteristics		
Hold-up time (typ.)	10 ms	115 VAC	Hold-up time (min)	10 ms	110 VAC 50/60Hz input
Short circuit protection	continuous	auto recovery	SCP	Short circuited protection and with auto-recovery function	
Mechanical Characteristics			OVP	Over-voltage protection with DC output voltage clamp & shorted, range: 15...18 VDC	
Dimensions (H x W x D)	71.9 • 52.1 • 34.8 mm		Mechanical Characteristics		
Weight	0.218 kg		Dimensions (H x W x D)	31 • 56 • 95 mm	
Safety & EMI Ratings			Weight	0.250 kg	
UL	1950		Safety & EMI Ratings		
TUV	IEC950/EN60950		UL	1950	
Emission	EN55022, class B		CSA	950	
			TUV/GS	IEC950/EN60950	
			Nordic	IEC950/EN60950	
			FCC	part 15, class B	
			CISPR	pub 22, class B	
			VCCI	level 2	

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