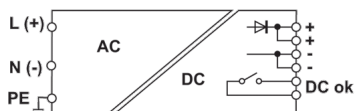
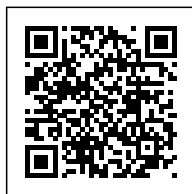


Single-phase

power supply input 120-230Vac / output 48Vdc 2.5A



Series	COOL POWER
Code	XCSF120DP
Type	CSF120DP
HS code	85044083
INPUT TECHNICAL DATA	
Input rated voltage	120–230 Vac
Input voltage AC	90...264 Vac
Input voltage DC	100...345 Vdc (derating Uin)
Frequency	47...63 Hz
Current consumption	1.9 A (120 Vac) / 1.1 A (230 Vac)
Inrush peak current	20 A
Power factor	> 0.65
Internal protection fuse	T 3.15 A
External protection on AC line	MT: C-4 A / Fuse: T 4 A
OUTPUT TECHNICAL DATA	
Output voltage range	48 Vdc ±1%
Output adjustable range	45...55 Vdc
Continuous current	2.5 A at 45°C
Overload limiting	8 A for >30 s
Short circuit peak current	7.5 A for 50 ms
Ripple @ nominal ratings	30 mVpp
Hold up time	16 ms (120 Vac) / 81 ms (230 Vac)
Status indication	LED "DC OK" / LED "Alarm"
Alarm contact	dry contact, max. 1A @ 24 Vdc (Uout >43.2 Vdc)
Parallel connection	possible
Redundant parallel connection	already fitted with internal ORing diode
GENERAL TECHNICAL DATA	
Efficiency	86% (120 Vac) / 90% (230 Vac)
Dissipated power	20 W (120 Vac) / 13 W (230 Vac)
Operating temperature range	-20...+60°C (derating -2.4 W >45°C)
Input / output isolation	3 kVac / 60 s (SELV output)
Input / ground isolation	1.5 kVac / 60 s
Output / ground isolation	0.5 kVac / 60 s
Standard / approvals	EN 60950-1
EMC Standard	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Overvoltage category / pollution degree	II / 2
Protection degree	IP 20
Connection terminal	2.5 mm ² / 2.5 mm ²
Housing material	aluminium
Dimensions (LxHxD)	40x130x115 mm
Approximate weight	400 g
Mounting information	vertical on a rail, 10 mm from adjacent components
ACCESSORIES	
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB
APPROVALS AND MARKINGS	UL, CE, RoHS, REACH



* Single phase and DC input* Short circuit, overload, input and output overvoltage protections* Over temperature protection* Suitable for applications that require high reliability and performance* Smart alarm contact, signals when output voltage drops more than 10%* High overload capability to ensure the protections selectivity and start-up of heavy loads
1 Please refer to the datasheet for more details2 Above overcurrent limit, the protection starts cycling in ON/OFF mode(hiccup autoreset), the maximum current supplied depends by the line resistance

DESCRIZIONE DEL PRODOTTO

CSF120DP Single-phase power supply input 120-230Vac /
output 48Vdc 2.5A