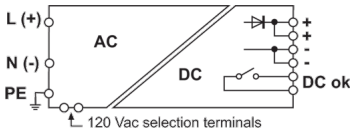


Single-phase  
power supply input 120-230Vac / output 24Vdc 20A



<b>Series</b>	COOL POWER
<b>Code</b>	XCSF500C
<b>Type</b>	CSF500C
<b>HS code</b>	85044083
<b>INPUT TECHNICAL DATA</b>	
<b>Input rated voltage</b>	120–230 Vac
<b>Input voltage AC</b>	90...132 Vac / 185...264 Vac (1)
<b>Input voltage DC</b>	259...370 Vdc
<b>Frequency</b>	47...63 Hz
<b>Current consumption</b>	8.4 A (120Vac) / 4.4 A (230Vac)
<b>Inrush peak current</b>	25 A
<b>Power factor</b>	> 0.75
<b>External protection on AC line</b>	MT: C-16 A / Fuse: T 15 A
<b>OUTPUT TECHNICAL DATA</b>	
<b>Output voltage range</b>	24 Vdc ±1%
<b>Output adjustable range</b>	24...28 Vdc
<b>Continuous current</b>	20 A at 45°C
<b>Overload limiting</b>	22 A for >5 s
<b>Short circuit peak current</b>	35 A for 5 s
<b>Ripple @ nominal ratings</b>	50 mVpp
<b>Hold up time</b>	12 ms (120 Vac) / 20 ms (230 Vac)
<b>Status indication</b>	LED "DC OK" / LED "Alarm"
<b>Alarm contact</b>	dry contact, max. 1A
<b>Parallel connection</b>	possible
<b>Redundant parallel connection</b>	already fitted with internal ORing diode
<b>GENERAL TECHNICAL DATA</b>	
<b>Efficiency</b>	92% (120 Vac) / 92% (230 Vac)
<b>Dissipated power</b>	44 W (120 Vac) / 44 W (230 Vac)
<b>Operating temperature range</b>	-20...+60°C (derating -8.2 W >45°C)
<b>Input / output isolation</b>	3 kVac / 60 s (SELV output)
<b>Input / ground isolation</b>	1.5 kVac / 60 s
<b>Output / ground isolation</b>	0.5 kVac / 60 s
<b>Standard / approvals</b>	EN 60950-1
<b>EMC Standard</b>	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
<b>Overvoltage category / pollution degree</b>	II / 2
<b>Protection degree</b>	IP 20
<b>Connection terminal</b>	4 mm <sup>2</sup> / 4 mm <sup>2</sup>
<b>Housing material</b>	aluminium
<b>Dimensions (LxHxD)</b>	80x139x127 mm
<b>Approximate weight</b>	1.3 kg
<b>Mounting information</b>	vertical on a rail, 10 mm from adjacent components
<b>ACCESSORIES</b>	
<b>Mounting rail (IEC60715/TH35-7.5)</b>	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
<b>Mounting rail (IEC60715/TH35-15)</b>	PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB
<b>Marking tag</b>	TAP207A, TAP128A, TAP178A, TAP209A
<b>APPROVALS AND MARKINGS</b>	
	UL, CE, RoHS, REACH

\* Single phase 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 details  
**2** Above overcurrent limit, the protection starts cycling in ON/OFF mode(hiccup autoreset), the maximum current supplied depends by the line resistance  
**3** (1) Dual voltage with selection through external jumper

## DESCRIZIONE DEL PRODOTTO

CSF500C Single-phase power supply input 120-230Vac / output  
24Vdc 20A