



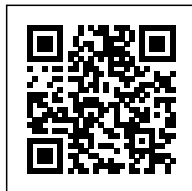


## Single-phase power supply input 120-230Vac / output 24Vdc 3.5A

<b>Series</b>	COOL POWER
<b>Code</b>	XCSF85C
<b>Type</b>	CSF85C
<b>HS code</b>	85044083
<b>INPUT TECHNICAL DATA</b>	
<b>Input rated voltage</b>	120-230 Vac
<b>Input voltage AC</b>	90...264 Vac
<b>Input voltage DC</b>	100...345 Vdc (derating $U_{in} < 130Vdc$ )
<b>Frequency</b>	47...63 Hz
<b>Current consumption</b>	1.6 A (120 Vac) / 0.9 A (230 Vac)
<b>Inrush peak current</b>	20 A
<b>Power factor</b>	> 0.65
<b>Internal protection fuse</b>	T 2 A
<b>External protection on AC line</b>	MT: C-4 A / Fuse: T 4 A
<b>OUTPUT TECHNICAL DATA</b>	
<b>Output voltage range</b>	24 Vdc
<b>Output adjustable range</b>	23...27.5 Vdc
<b>Continuous current</b>	3.5 A at 50°C
<b>Overload limiting</b>	6 A for >30 s
<b>Short circuit peak current</b>	10 A for 50 ms
<b>Ripple @ nominal ratings</b>	70 mVpp
<b>Hold up time</b>	20 ms (120 Vac) / 70 ms (230 Vac)
<b>Status indication</b>	LED "DC OK" / LED "Alarm"
<b>Alarm contact</b>	dry contact, max. 1A @ 24 Vdc ( $U_{out} > 21.6 Vdc$ )
<b>Parallel connection</b>	possible
<b>Redundant parallel connection</b>	possible with external ORing diode
<b>GENERAL TECHNICAL DATA</b>	
<b>Efficiency</b>	86% (120 Vac) / 90% (230 Vac)
<b>Dissipated power</b>	14 W (120 Vac) / 10 W (230 Vac)
<b>Operating temperature range</b>	-20...+60°C (derating -1.45 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>Safety Standard</b>	EN 62368-1, UL508
<b>EMC Standard</b>	EN 61000-3-2, EN 61000-3-3, EN 61000-4-11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-6-2, EN 61000-6-4
<b>Overvoltage category / pollution degree</b>	II / 2
<b>Protection degree</b>	IP 20
<b>Connection terminal</b>	2.5 mm <sup>2</sup> / 2.5 mm <sup>2</sup>
<b>Housing material</b>	aluminium
<b>Dimensions (LxHxD)</b>	40x115x130 mm
<b>Approximate weight</b>	400 g
<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>APPROVALS AND MARKINGS</b>	
   	



- \* 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 details

2 Above overcurrent limit, the protection starts cycling in ON/OFF mode(hiccup autoreset), the maximum current supplied depends by the line resistance

## PRODUCT DESCRIPTION

CSF85C Single-phase power supply input 120-230Vac / output 24Vdc 3.5A