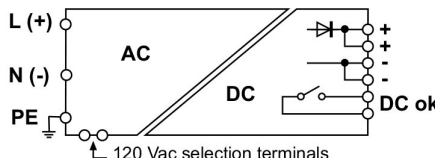






- Single phase input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Suitable for applications that require high reliability and performance
- Smart alarm contact, signals when output voltage drops more than 10%
- High overload capability to ensure the protections selectivity and start-up of heavy loads



**NOTE**

Please refer to the datasheet for more details  
Above overcurrent limit, the protection starts cycling in ON/OFF mode (hiccup autoreset), the maximum current supplied depends by the line resistance  
(1) Dual voltage with selection through external jumper



CODE	XCSF240DP
<b>TYPE</b>	<b>CSF240DP</b>
<b>INPUT TECHNICAL DATA</b>	
Input rated voltage	120-230 Vac
Input voltage AC	90...132 Vac / 185...264 Vac [1]
Input voltage DC	300...345 Vdc
Frequency	47...63 Hz
Current consumption	3.5 A (120 Vac) / 1.8 A (230 Vac)
Inrush peak current	35 A
Power factor	> 0.6
Internal protection fuse	T 6.3 A
External protection on AC line	MCB: C-10 A / Fuse: T 10 A
<b>OUTPUT TECHNICAL DATA</b>	
Output rated voltage	48 Vdc ±1%
Output adjustable range	45...55 Vdc
Continuous current	5 A at 45°C
Overload limiting	7.5 A for >30 s
Short circuit peak current	25 A for 400 ms
Ripple @ nominal ratings	50 mVpp
Hold up time	30 ms (120 Vac) / 60 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
<b>GENERAL TECHNICAL DATA</b>	
Efficiency	89% (120 Vac) / 89% (230 Vac)
Dissipated power	28 W (120 Vac) / 28 W (230 Vac)
Operating temperature range	-20...+60°C (derating -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 Standards	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 IN/OUT	2.5 mm <sup>2</sup> / 2.5 mm <sup>2</sup>
Housing material	aluminium
Dimension	63.5x135x140 mm
Approximate weight	920 g
Mounting information	vertical on a rail, 10 mm from adjacent components
<b>APPROVALS</b>	   
<b>ACCESSORIES</b>	
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