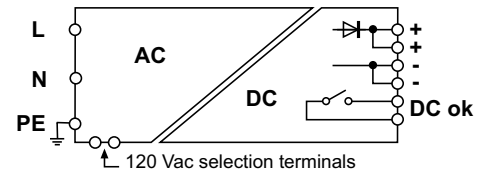
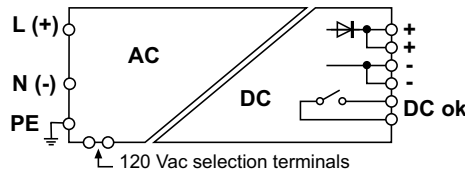


- Single phase input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Suitable for applications that require high reliability and performance
- Smart alarm contact, signals when output voltage drops more than 10%
- High overload capability to ensure 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	XCSF500C	XCSF500D
<b>TYPE</b>	<b>CSF500C</b>	<b>CSF500D</b>
<b>INPUT TECHNICAL DATA</b>		
Input rated voltage	120-230 Vac	120-230 Vac
Input voltage AC	90...132 Vac / 185...264 Vac (1)	90...132 Vac / 185...264 Vac (1)
Input voltage DC	100...370 Vdc (derating Uin<130 Vdc)	100...370 Vdc (derating Uin<130 Vdc)
Frequency	47...63 Hz	47...63 Hz
Current consumption	4.1 A (120 Vac) / 2 A (230 Vac)	4.1 A (120 Vac) / 2 A (230 Vac)
Inrush peak current	25 A with electronic limiter	25 A with electronic limiter
Power factor	> 0.75	> 0.75
Internal protection fuse	—	—
External protection on AC line	MCB: C-16 A / Fuse: T 15 A	MCB: C-16 A / Fuse: T 15 A
<b>OUTPUT TECHNICAL DATA</b>		
Output rated voltage	24 Vdc ±1%	48 Vdc ±1%
Output adjustable range	24...28 Vdc	45...55 Vdc
Continuous current	20 A at 45°C	10 A at 45°C
Overload limiting	22 A for >5 s	12 A for >5 s
Short circuit peak current	35 A for 5 s	20 A for 5 s
Ripple @ nominal ratings	50 mVpp	50 mVpp
Hold up time	12 ms (120 Vac) / 20 ms (230 Vac)	12 ms (120 Vac) / 20 ms (230 Vac)
Status indication	LED "DC OK" / LED "Alarm"	LED "DC OK" / LED "Alarm"
Alarm contact	dry contact, max. 1A @ 24 Vdc (Uout >21.6 Vdc)	dry contact, max. 1A @ 24 Vdc (Uout >43.2 Vdc)
Parallel connection	possible	possible
Redundant parallel connection	already fitted with internal ORing diode	already fitted with internal ORing diode
<b>GENERAL TECHNICAL DATA</b>		
Efficiency	92% (120 Vac) / 92% (230 Vac)	92% (120 Vac) / 92% (230 Vac)
Dissipated power	44 W (120 Vac) / 44 W (230 Vac)	44 W (120 Vac) / 44 W (230 Vac)
Operating temperature range	-20...+60°C (derating -8.2 W >45°C)	-20...+60°C (derating -8.2 W >45°C)
Input / output isolation	3 kVac / 60 s (SELV output)	3 kVac / 60 s (SELV output)
Input / ground isolation	1.5 kVac / 60 s	1.5 kVac / 60 s
Output / ground isolation	0.5 kVac / 60 s	0.5 kVac / 60 s
Standard / approvals	EN 60950-1	EN 60950-1
EMC Standards	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Overvoltage category / Pollution degree	II / 2	II / 2
Protection degree	IP 20	IP 20
Connection terminal IN/OUT	4 mm <sup>2</sup> / 4 mm <sup>2</sup>	4 mm <sup>2</sup> / 4 mm <sup>2</sup>
Housing material	aluminium	aluminium
Dimension	80x139x127 mm	80x139x127 mm
Approximate weight	1.3 kg	1.3 kg
Mounting information	vertical on a rail, 10 mm from adjacent components	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	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	PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB
Marking tag	TAP207A, TAP128A, TAP178A, TAP209A	TAP207A, TAP128A, TAP178A, TAP209A