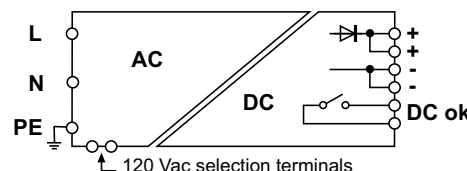
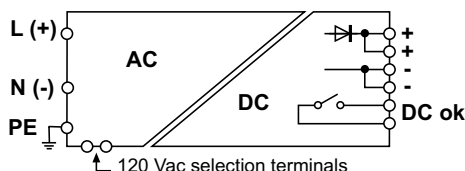


- Single phase input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Suitable for applications that require high reliability and performance
- Smart alarm contact, signals when output voltage drops more than 10%
- High overload capability to ensure 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
TYPE	CSF500C	CSF500D
INPUT TECHNICAL DATA		
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
OUTPUT TECHNICAL DATA		
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
GENERAL TECHNICAL DATA		
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 mm² / 4 mm²	4 mm² / 4 mm²
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
APPROVALS	   	   
ACCESSORIES		
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


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