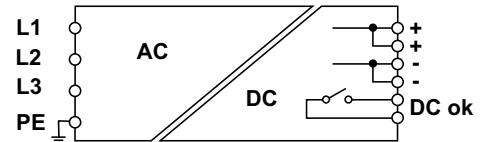
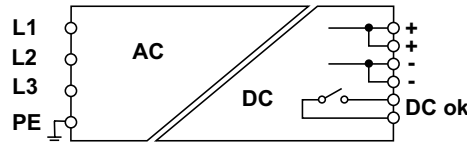






- 3-phase 400-500 Vac input or 2-phase with derating
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Suitable for applications that require high reliability and performance
- Smart alarm contact, signals when output voltage drops more than 10%
- High 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

CODE	XCSG481C	XCSG500C
TYPE	CSG481C	CSG500C
INPUT TECHNICAL DATA		
Input rated voltage	3x 400–500 Vac	3x 400–500 Vac
Input voltage AC	340...550 Vac	340...550 Vac
Input voltage DC	—	—
Frequency	47...63 Hz	47...63 Hz
Current consumption	1.2 A (400 Vac) / 0.8 A (500 Vac)	1 A (400 Vac) / 0.6 A (500 Vac)
Inrush peak current	40 A	35 A
Power factor	> 0.95	> 0.75
Internal protection fuse	—	—
External protection on AC line	MCB: C-6 A / Fuse: T-6.3 A	MCB: C-10 A / Fuse: T-10 A
OUTPUT TECHNICAL DATA		
Output rated voltage	24 Vdc ±1%	24 Vdc ±1%
Output adjustable range	23.3...27.5 Vdc	24...28 Vdc
Continuous current	20 A at 45°C	20 A at 50°C
Overload limiting	28 A for >5 s	>22 A for >5 s
Short circuit peak current	50 A for 0.3 s	35 A for 5 s
Ripple @ nominal ratings	100 mVpp	100 mVpp
Hold up time	50 ms (400 Vac) / 50 ms (500 Vac)	15 ms (400 Vac) / 30 ms (500 Vac)
Status indication	LED "DC OK"	LED "DC OK" / LED "Alarm"
Alarm contact	dry contact, max. 1A @ 24 Vdc (Uout >21.6 Vdc)	dry contact, max. 1A @ 24 Vdc (Uout >21.6 Vdc)
Parallel connection	possible	possible
Redundant parallel connection	possible with external ORing diode	possible with external ORing diode
GENERAL TECHNICAL DATA		
Efficiency	93% (400 Vac) / 92% (500 Vac)	93% (400 Vac) / 93% (500 Vac)
Dissipated power	36 W (400 Vac) / 42 W (500 Vac)	36 W (400 Vac) / 36 W (500 Vac)
Operating temperature range	-20...+60°C (derating -16 W >45°C)	-20...+60°C (derating -6 W >50°C)
Input / output isolation	3 kVac / 60 s (SELV output)	3 kVac / 60 s (SELV output)
Input / ground isolation	2 kVac / 60 s	2 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 61000-6-2, 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	2.5 mm ² / 2.5 mm ²	4 mm ² / 4 mm ²
Housing material	aluminium	aluminium
Dimension	73x137x140 mm	80x139x127 mm
Approximate weight	1 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