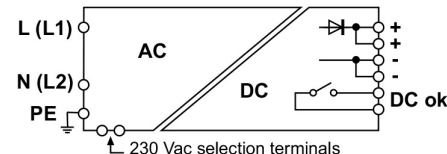
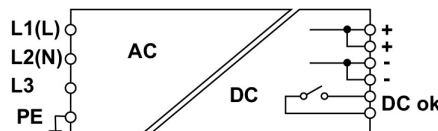


- Single phase, 2-phase and 3-phase input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Suitable for applications that require high reliability and performance
- Smart alarm contact, signals when output voltage drops more than 10%
- High overload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



CODE	XCSW481G	XCSW960CP
TYPE	CSW481G	CSW960CP
INPUT TECHNICAL DATA		
Input rated voltage	1-2-3x 230-400-500 Vac	1x 230 Vac / 2x 400-500 Vac
Input voltage AC	187...550 Vac	180...264 Vac / 360...550 Vac (1)
Input voltage DC	250...725 Vdc	550...775 Vdc
Frequency	47...63 Hz	47...63 Hz
Current consumption	2.2 A (230 Vac) / 1 A (400 Vac)	4.7A (230 Vac) / 4A A (400 Vac)
Inrush peak current	20 A (230 Vac) / 40 A (500 Vac)	16 A
Power factor	> 0.95	> 0.6
Internal protection fuse	—	—
External protection on AC line	MCB: C-6 A / Fuse: T-6.3 A	MCB: C-10 A / Fuse: 1-2x T 10 A
OUTPUT TECHNICAL DATA		
Output rated voltage	72 Vdc ±1%	24 Vdc ±1%
Output adjustable range	72...85 Vdc	23...27.5 Vdc
Continuous current	6 A at 45°C	40 A at 45°C
Overload limiting	9 A for >5 s	50 A for >5 s
Short circuit peak current	12 A for 0.3 s	65 A for 5 s
Ripple @ nominal ratings	100 mVpp	200 mVpp
Hold up time	20 ms (230 Vac) / 20 ms (400 Vac)	20 ms (230 Vac) / 20 ms (400 Vac)
Status indication	LED "DC OK" / LED "Alarm"	LED "DC OK" / LED "Alarm"
Alarm contact	dry contact, max. 1A @ 24 Vdc (Uout >68.4 Vdc)	dry contact, max. 1A @ 24 Vdc (Uout >21.6 Vdc)
Parallel connection	possible	possible
Redundant parallel connection	possible with external ORing diode	already fitted with internal ORing diode
GENERAL TECHNICAL DATA		
Efficiency	91% (230 Vac) / 91% (400 Vac)	90% (400 Vac) at 230 Vac
Dissipated power	42 W (230 Vac) / 42 W (400 Vac)	<100 W (400 Vac) at 230 Vac
Operating temperature range	-20...+60°C (derating -16 W >45°C)	-20...+60°C (derating -32 W >45°C)
Input / output isolation	3 kVac / 60 s (no 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 61000-6-2, EN 61000-6-4
Overvoltage category / Pollution degree	II / 2	II / 2
Protection degree	IP 20	IP 20
Connection terminal IN/OUT	2.5 mm² / 2.5 mm²	4 mm² / 10 mm²
Housing material	aluminium	aluminium
Dimension	73x137x140 mm	80x139x127 mm
Approximate weight	1 kg	1.2 Kg
Mounting information	vertical on a rail, 10 mm from adjacent components	vertical on a rail, 10 mm from adjacent components
APPROVALS	CE	CE
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