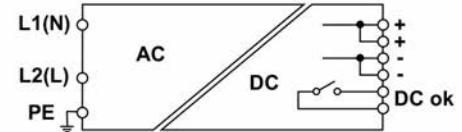
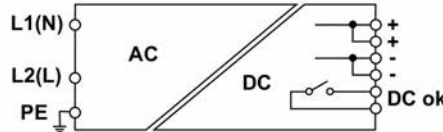


- Single phase and 2-phase input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Suitable for applications that require high reliability and performance
- Smart alarm contact, signals when output voltage drops more than 10%
- High overload capability 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	XCSW121C	XCSW121B
TYPE	CSW121C	CSW121B
INPUT TECHNICAL DATA		
Input rated voltage	1-2x 230-400-500 Vac	1-2x 230-400-500 Vac
Input voltage AC	187...550 Vac	187...550 Vac
Input voltage DC	270...725 Vdc	270...725 Vdc
Frequency	47...63 Hz	47...63 Hz
Current consumption	1.1 A (230 Vac) / 0.55 A (400 Vac)	1.1 A (230 Vac) / 0.55 A (400 Vac)
Inrush peak current	20 A	20 A
Power factor	> 0.65	> 0.65
Internal protection fuse	—	—
External protection on AC line	MCB: C-6 A / Fuse: T-4 A	MCB: C-6 A / Fuse: T-4 A
OUTPUT TECHNICAL DATA		
Output rated voltage	24 Vdc ±1%	12 Vdc ±1%
Output adjustable range	24...27.5 Vdc	12...15 Vdc
Continuous current	5 A	8 A (12 Vdc) - 7 A (15 Vdc)
Overload limiting	7.5 A for >30 s	10 A for >30 s
Short circuit peak current	14 A for 0.4 s	20 A for 0.4 s
Ripple @ nominal ratings	100 mVpp	100 mVpp
Hold up time	20 ms (230 Vac) / 80 ms (400 Vac)	20 ms (230 Vac) / 80 ms (400 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 >10.8 Vdc)
Parallel connection	possible	possible
Redundant parallel connection	possible with external ORing diode	possible with external ORing diode
GENERAL TECHNICAL DATA		
Efficiency	87% (230 Vac) / 87% (400 Vac)	84% (230 Vac) / 86% (400 Vac)
Dissipated power	18 W (230 Vac) / 18 W (400 Vac)	20 W (230 Vac) / 17 W (400 Vac)
Operating temperature range	-20...+60°C (derating -3 W >45°C)	-20...+60°C (derating -3 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	2.5 mm ² / 2.5 mm ²	2.5 mm ² / 2.5 mm ²
Housing material	aluminium	aluminium
Dimension	40x130x115 mm	40x130x115 mm
Approximate weight	600 g	600 g
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