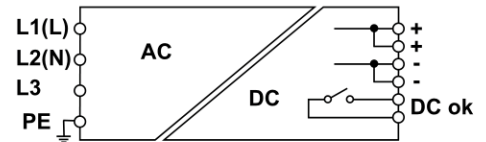
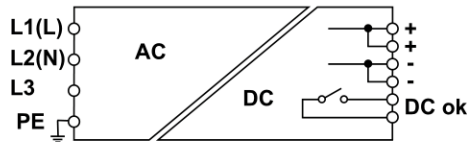






- Single phase, 2-phase and 3-phase input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Suitable for applications that require high reliability and performance
- Smart alarm contact, signals when output voltage drops more than 10%
- High overload 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	XCSW241C	XCSW241B
TYPE	CSW241C	CSW241B
INPUT TECHNICAL DATA		
Input rated voltage	1-2-3x 230-400-500 Vac	1-2-3x 230-400-500 Vac
Input voltage AC	185...550 Vac	185...550 Vac
Input voltage DC	270...770 Vdc	270...770 Vdc
Frequency	47...63 Hz	47...63 Hz
Current consumption	2 A (230 Vac) / 1 A (400 Vac)	2 A (230 Vac) / 1 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-6.3 A	MCB: C-6 A / Fuse: T-6.3 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	10 A at 50°C	16 A (12 Vdc) - 15 A (15 Vdc)
Overload limiting	15 A for >6 s	20...18 A for >6 s
Short circuit peak current	38 A for 0.5 s	34 A for 0.5 s
Ripple @ nominal ratings	100 mVpp	100 mVpp
Hold up time	15 ms (230 Vac) / 100 ms (400 Vac)	15 ms (230 Vac) / 100 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	91% (230 Vac) / 92% (400 Vac)	89% (230 Vac) / 90% (400 Vac)
Dissipated power	24 W (230 Vac) / 21 W (400 Vac)	22 W (230 Vac) / 20 W (400 Vac)
Operating temperature range	-20...+60°C (derating -3 W >50°C)	-20...+60°C (derating -3 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 61000-6-1, 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	55x130x115 mm	55x130x115 mm
Approximate weight	1 kg	1 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	—	—