



1-2-phase

power supply input 230-400-500Vac / output 24Vdc 10A

Series	Universal Power
Code	XCSW241C
Type	CSW241C
HS code	85044083
INPUT TECHNICAL DATA	
Input rated voltage	1-2-3x 230-400-500 Vac
Input voltage AC	185...550 Vac
Input voltage DC	270...725 Vdc
Frequency	47...63 Hz
Current consumption	2 A (230 Vac) / 1 A (400 Vac)
Inrush peak current	20 A
Power factor	> 0.65
External protection on AC line	MT: C-6 A / Fuse: T-6.3 A
OUTPUT TECHNICAL DATA	
Output voltage range	24 Vdc \pm 1%
Output adjustable range	24...27.5 Vdc
Continuous current	10 A at 50°C
Overload limiting	15 A for >6 s
Short circuit peak current	38 A for 0.5 s
Ripple @ nominal ratings	100 mVpp
Hold up time	15 ms (230 Vac) / 100 ms (400 Vac)
Status indication	LED "DC OK" / LED "Alarm"
Alarm contact	dry contact, max. 1A @ 24 Vdc (Uout >21.6 Vdc)
Parallel connection	possible
Redundant parallel connection	possible with external ORing diode
GENERAL TECHNICAL DATA	
Efficiency	91% (230 Vac) / 92% (400 Vac)
Dissipated power	24 W (230 Vac) / 21 W (400 Vac)
Operating temperature range	-20...+60°C (derating -3 W >50°C)
Input / output isolation	3 kVac / 60 s (SELV output)
Input / ground isolation	2 kVac / 60 s
Output / ground isolation	0.5 kVac / 60 s
Standard / approvals	EN 60950-1
EMC Standard	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Overvoltage category / pollution degree	II / 2
Protection degree	IP 20
Connection terminal	2.5 mm ² / 2.5 mm ²
Housing material	aluminium
Dimensions (LxHxD)	55x130x115 mm
Approximate weight	1 kg
Mounting information	vertical on a rail, 10 mm from adjacent components
ACCESSORIES	
Mounting rail (IEC60715/TH35-7.5)	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
APPROVALS AND MARKINGS	
CE,	

* 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
1 Please refer to the datasheet for more details2 Above overcurrent limit, the protection starts cycling in ON/OFF mode(hiccup autoreset), the maximum current supplied depends by the line resistance