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CONNECTING ENERGY
SINCE 1952

XCSW960CP – Mono-Bi-Phase 40A Power Supply



Input	1 PH - 180 – 264 Vac 2 PH - 360 – 550 Vac
Output to the load	Nominal voltage 24 Vdc Maximum current 40A Up to 60A over-current
Signalling	Contact enabled when Vout is less than 10% compared to the nominal voltage
Operating temperature range	-20°C ... +60°C
Sizes	80x127x139 mm (LxHxP)

DESCRIPTION:

The XCSW960CP is the most compact sized mono-phase, 40A power supply available on the market. The reduced size of this power supply highly improves their usability inside electrical panels for automation. Its capability starts from a few Ampere current up to 40A with about 1000 Watts.

The 40A model join the 5A (XCSW121C), the 10 A (XCSW241C) and the 20A (XCSW481C) power supplies already available on the market.

The XCSW960CP power supply is able to provide up to 1000 W with a 60A current for limited time slots.

PRODUCT CHARACTERISTICS:

- Mono-phase application. Input voltage between 180 and 264 Vac
- Bi-phase application. Input voltage between 360 and 550 Vac
- Short circuit, overload and over-temperature protection
- Overvoltage protection both for input and output
- High output current to allow protection coordination and support heavy loads
- Very compact size

- Suitable for SELV and PELV applications
- DC-OK contact isolated signal
- Integrated ORing diode to allow redundancy connection and provide protection in case of DC motor or drives

TECHNICAL DATA	
Article Code	XCSW960CP
Model	CSW960CP
INPUT DATA	
Nominal Voltage	1 x 230 Vac (range: 180...264 Vac) 2 x 400-500 Vac (range: 360...550 Vac)
Frequency	47...63 Hz / DC
Nominal Input Current	4.7A @ 230 Vac / 4A @ 400 Vac
Inrush Current	< 16A
Power Factor @230V	0.6
Internal Protection Fuse	No
OUTPUT DATA	
Nominal Voltage	24 Vdc
Uout Configurable Range	23 ... 28 Vdc
Nominal Current	40 A
Overload Limit	60A @ 24V for 5s
Maximum Short Circuit Current	70A for 3s
Load Tuning	<4%
Ripple	≤ 200 mVpp
Hold Up Time	>20 ms @ 230 Vac / >20 ms @ 400 Vac
Output Protection	Electronic overload / short circuit protection
Duty cycle for HICCUP protection	5 s ON / 10 s OFF
Output Overvoltage Protection	>33 Vdc
DC-OK alarm threshold	Open contact @ Uout<21.6 Vdc
Parallel connection, redundancy connection	Possible, integrated ORing available
SELV e PELV application	Possible
GENERAL DATA	
Efficiency	>90% @ 230Vac
Dissipated Power	<120 W @ 230Vac
Operating Temperature Range	-20...+60°C (-4...+140°F), with thermal protection (derating over 45°C)
Environment Temperature	Max. 45°C (113°F)
Overvoltage Category/Pollution Degree	II / 2 (IEC 664-1)
Input/Output Isolation	3 kVac / 60 s
Input/PE Isolation	2 kVac / 60 s
Output/PE Isolation	1 kVac / 60 s
Protection Degree	IP20 acc. to IEC529, EN60529
EMC Standards	EN61000-3-3, EN61000-6-2, EN61000-6-4,
Safety Standards	EN 60950
Weight	1.2 kg (2.6 lbs)