

CX2100-0914 | Power supply unit for external battery pack for CX20x3 and CX2042



i Product status: regular delivery

The CX2100-0914 power supply and UPS module is used for supplying power to the components (CPU modules, system and extension modules) of a CX20x0, CX20x3 or CX2042 system. The power supply module is controlled via TwinCAT. An FSTN LC display with 2 x 16 characters and a selector switch as well as an enter key allow the querying of internal status values as well as self-created display parameters or menus with and without input options. EtherCAT or Bus Terminals can be connected on the right-hand side – the respective bus system is detected automatically and operated by the CPU. Power is supplied to the E-bus or K-bus electronics in the I/O terminals by an integrated but internally separate power supply unit with 2 A at 5 V DC.

The CX2100-0914 is in principle passively cooled, has no fan and is intended for operation in the extended temperature range from -25 to +60°C. The CX2100-0914 module can be used to charge external battery packs in order to provide backup power for the system and external components such as Control Panels.

Product information

Technical data

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Power supply	24 V DC (-15%/+20%)
Max. power output	100 W
I/O connection	E-bus or K-bus, automatic recognition
Current supply E-bus/K-bus	2 A
UPS	external

Capacity	dependent on battery
Connection type	spring-loaded technique (adapter terminal)
Display	FSTN display 2 lines x 16 characters of text, illuminated
Diagnostics LED	1 x PWR, 1 x I/O Run, 1 x I/O Err
Max. power loss	3.5 W
Max. power consumption E-bus/K-bus	10 W (5 V/max. 2 A)
Dimensions (W x H x D)	84 mm x 100 mm x 91 mm
Weight	approx. 695 g
Operating temperature	-25...+60°C
Storage temperature	-40...+85°C
Relative humidity	95%, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protection rating	IP20
Approvals/markings	CE, UL

Accessories

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CX2900-0104	Plug set (spare part) for connecting the CX2100-0914 UPS module and CX2900-0192 battery pack
BZ1xxx	100 contact labels, various colors, pre-printed
BZ2xxx	100 contact labels, various colors, blank
ZK1090-9191-0xxx	RJ45, plug, straight, male, 8-pin – RJ45, plug, straight, male, 8-pin
ZK1093-9191-0xxx	RJ45, plug, straight, male, 8-pin – RJ45, plug, straight, male, 8-pin