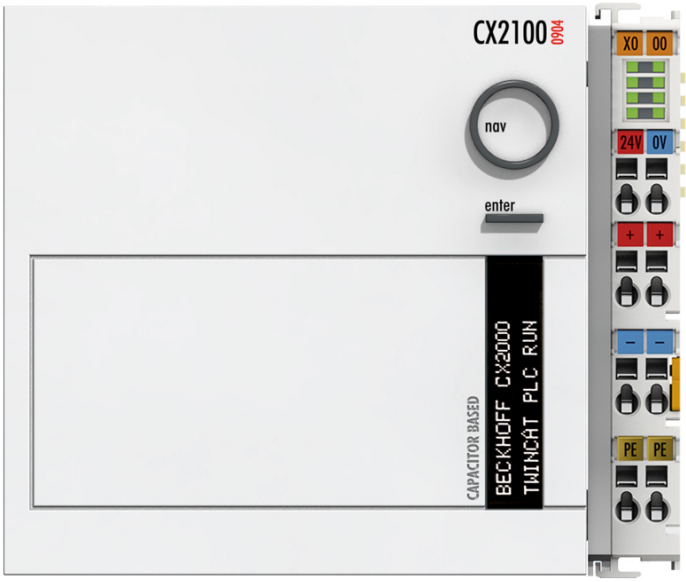
CX2100-0904 | Power supply unit with internal UPS for CX203x



Product status: regular delivery

The CX2100-0904 power supply and UPS module is used for supplying power to the components (CPU modules, system and extension modules) of a CX2020 or CX203x 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 CX2100-0904 is in principle passively cooled, has no fan and is intended for operation in the extended temperature range from -25 to +60°C. In addition to the power supply functionality, the CX2100-0904 module also features an integrated capacitive UPS. In the event of a power failure this enables the system to save data on the storage medium and then shut down in an orderly manner.

Product information

Technical data

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Power supply	24 V DC (-15%/+20%)
Max. power output	45 W
I/O connection	E-bus or K-bus, automatic recognition
Current supply E-bus/K-bus	2 A
UPS	capacitively integrated

Capacity	75 As
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)	118 mm x 100 mm x 91 mm
Weight	approx. 1025 g
Operating temperature	-25...+50°C
Storage temperature	-25...+60°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