

Central Power Supply Systems Series MDC



Mobil Code

NLBZV2200

Schrack-Info

The MDC is a derivation of the MultiControl Series and shows the characteristics of a central power supply system (CPS) without limitation of the power according to EN 50171 / DIN VDE 0100–718 and EN 50172. The electronic design is based on the components of the MultiControl, such as the emergency light controller type NLSR with integrated web interface including visualisation software and five year log memory for test results and operating parameters, the chargers type LDM25, at least one relay interface module type IO and the RS modules for switching the connected contactor assemblies, which can be programmed to operate in maintained (M) or non-maintained (NM) mode.

Each contactor group (M/NM) can have up to 6 switching commands (M) or closed current loops (mNM) assigned using the switch monitoring modules of type SAM24 or line monitor modules of type MC-LM connected via MultiBus RS485. It is also possible to connect type MCT signalling panels.

The contactor groups can also be used for the voltage supply of connected (universal current) circuit breakers or fuse elements (NEOZED D01 / D02) for safeguarding the load during mains and battery operation (230 V AC/216 V DC). The MDC is equipped with a self-calibrating all-current monitoring which identifies and indicates fractional deviations of the battery discharge current (5%, 10%, 20% and 50%).

Up to 32 MDC substations can be connected to the MDC main unit via Ethernet network connection. Multiple MDC sub-distributions can be connected and monitored via RS422 bus. Ethernet can also be used for the configuration of the system.

The MDC allows the connection of LED, fluorescent and halogen lamps.

Technical Data

Enclosure material:	Sheet steel RAL 7035
Deegree of protection:	IP20 (opt. IP54, E30, E90)
Appliance class:	I
Dimensions (HxWxD):	Without battery enclosure: 900x600x450 mm 1800x600x450 mm Combined enclosure (up to 33 Ah): 1500x600x450 mm
Cable inlet:	Top; bottom in version 900 enclosure
Mains connection:	3 x 230 V 50 Hz
Battery:	Maintenance-free, sealed lead acid battery OGiV, OGi, OPzS or low-maintenance NiCd batteries
Output voltage:	230 V AC / 216 V DC
Permitted ambient temperature:	+10°C to +35°C

DESCRIPTION	AVAILABLE	ORDER NO.
CPS system BZV 220 -DC 2x10 circuits 10 kW/ without batt. MDC 0		NLBZV2200
CPS system BZV 220 -DC 20 circuits 15 kW/1 h batt. 120 Ah MDC I		NLBZV2201
CPS system BZV 220 -DC 20 circuits 19 kW/1 h batt. 150 Ah MDC II		NLBZV2202