



- Compact design 19"-rack mount device 3 or 4 HU
- Separate power supplies UPS, NON-UPS, 24 VDC
- Simple exchange of circuit breakers
- Thermal magnetic circuit breakers
- Fuse failure monitoring
- Options
  - o 24 VDC from external
  - o 24 VDC 10 A redundant
  - o 24 VDC 20 A redundant
  - o 2-pole version of NON-UPS power supply

#### Application:

The power distribution unit is used for 19" rack mount systems. It provides space for applicable equipment because of its compact design, for example in analysis systems for analyzers and accessories. Each current circuit has its own breaker.

#### Product description:

The circuit breakers will be plugged on pre-wired terminal sockets. The switches of the circuit breakers can be actuated for external devices from front side and for internal 24 VDC power supplies from rear side. Unused terminal sockets will be equipped with bridge connectors. The connectors for the individual power supplies are located at rear side of the module. 4-pole sockets for UPS and NON-UPS AC power supply and 7-pole sockets for 24 VDC power supply.

The low voltage distributor can be provided up to 3 external power supplies to distribute it to a single system. The connectors are located at rear side of the individual module.



Digital form at  
[www.cgs-company.de/downloads/MDZ\\_E\\_D\\_PDU.pdf](http://www.cgs-company.de/downloads/MDZ_E_D_PDU.pdf)

## Power Distribution Units

The power distribution units differs in following properties:

Module	UPS 2-pole	NON-UPS 1-pole	NON-UPS 2-pole	24 VDC 10 A redundant	24 VDC 20 A redundant	24 VDC external
PDU-10	x	x		x		
PDU-11	x		x	x		
PDU-20	x	x			x	
PDU-21	x		x		x	
PDU-30	x	x				x
PDU-40	x					x

## Technical data

### • Dimensions

Height	PDU-10 to PDU-30 = 177.8 mm (4 HU) / PDU-40 = 133.35 mm (3 HU)
Width	483 mm
Depth	385 mm (housing only)   410 mm (with installation elements)

### • Power supply:

UPS	0 ... 250 VAC (L1 / L2 / PE)
NON-UPS	0 ... 250 VAC (L1 / N / PE)
24 VDC	0 ... 80 VDC (+ / -)

### • Current:

max. 24 A / Inlet

### • Amount of circuit breakers:

Module	UPS 2-pole	NON-UPS 1-pole	NON-UPS 2-pole	24 VDC
PDU-10	6	6	0	12
PDU-11	5	0	4	12
PDU-20	6	6	0	12
PDU-21	5	0	4	12
PDU-30	6	6	0	12
PDU-40	6	0	0	6

### • Equipment certification:

EN60934, UL 1077, UL 508, CSA 22.2 No. 235-041

### • Fuse failure:

max. 240 V / 1 A

### • Operation temperature:

0°C ... 30°C

### • Storage temperature:

-20°C ... +45°C

## Order numbers:

Article	Order no.:
PDU 10	1033633
PDU 11	1033788
PDU 20	1033634
PDU 21	1033788
PDU 30	1033635
PDU-40	1047444

## Accessories

Article	Order no.:
Cable plug; straight; with strain relief; circular connector CA series; IP67; 4-pole; 3+PE; 400 VAC / 16 A; 250 VDC / 10 A; black	1022249
Male cable connector; 7-pole 6+PE; Series 693; Screw connection; PG9	1025987

## Spare parts

Article	Order no.:
Thermo-magnetic circuit-breaker; 1-pole; medium time-lag; 1 changeover contact; 0.5 A	1033629
Thermo-magnetic circuit-breaker; 1-pole; medium time-lag; 1 changeover contact; 1 A	1033876
Thermo-magnetic circuit-breaker; 1-pole; medium time-lag; 1 changeover contact; 2 A	1033379
Thermo-magnetic circuit-breaker; 1-pole; medium time-lag; 1 changeover contact; 4 A	1033331
Thermo-magnetic circuit-breaker; 1-pole; medium time-lag; 1 changeover contact; 6 A	1033628
Thermo-magnetic circuit-breaker; 1-pole; medium time-lag; 1 changeover contact; 10 A	1033380
Thermo-magnetic circuit-breaker; 2-pole; medium time-lag; 2 changeover contacts; 1 A	1033902
Thermo-magnetic circuit-breaker; 2-pole; medium time-lag; 2 changeover contacts; 2 A	1033330
Thermo-magnetic circuit-breaker; 2-pole; medium time-lag; 2 changeover contacts; 4 A	1033377
Thermo-magnetic circuit-breaker; 2-pole; medium time-lag; 2 changeover contacts; 6 A	1037083
Thermo-magnetic circuit-breaker; 2-pole; medium time-lag; 2 changeover contacts; 10 A	1033378
Jumper; bridge plug for bridging contacts 11 to 14 for CB base elements	1035923
Power supply; 100-240 VAC; 45-65 Hz; 24 VDC; 10 A	1017038
Power supply; 100-240 VAC; 45-65 Hz; 24 VDC; 20 A	1017039
Redundance module with function monitoring; TRIO-DIODE; 12-24 VDC; 2x 10 A; 1x 20 A;	1033165
Panel-mounted socket with flange; circular connector CA series; IP67; 4-pole 3+PE; 400 VAC / 16 A; 250 VDC / 10 A; black	1010195
Panel-mounted socket with flange; circular connector CA series; IP67; 7-pole 6+PE; 250 VAC/DC; 10 A; black	1010196
Cable plug; straight; with strain relief; circular connector CA series; IP67; 4-pole; 3+PE; 400 VAC/16 A; 250 VDC / 10 A; black	1022249
Male cable connector; 7-pole 6+PE; Series 693; Screw connection; PG9	1025987