

## MDCI – Dc/dc converters, special versions, switch-mode, isolated

Type	MDCI 100	MDCI 200	MDCI 360
Power rating (W)	100	200	360
Input variants (Vdc)	A-B-C-D	A-B-C-D	A-B-C-D
Output variants (Vdc)	12.5/24	12.5/24	12.5/24
Galvanic isolated			
Operating temperature (°C)	- 20 / + 45	- 20 / + 45	- 20 / + 45
Efficiency full load (%)	± 85	± 85	± 85
Cooling	Convection	Fan	Fan
Dimensions l x w x h (mm)	152x88x49	182x88x49	160x183x64
Weight (gr)	500	600	1400

A = 9-18 Vdc      B = 20-35 Vdc      C = 30-60 Vdc      D = 60-120 Vdc

### General data MDCI

#### Standard features :

- Max. temperature increase 30 degrees by full load for 30 minutes at an ambient temperature of 20 degrees
- Output 12,5 Vdc ± 2% - Output 24 Vdc ± 2 %

#### Protection for :

- Load dump
- Short circuit (by current limiting)
- Overload (by current limiting)
- Reverse input polarity (by fuse)
- Overtemperature (by current limiting)

### Warranty : 2 years



MDCI 360



MDCI 100, 200 and all MDCI's

## MDC – Dc/dc converters, standard, switch-mode, non-isolated

Type	MDC 1224-7	MDC 2412-5	MDC 2412-8	MDC 2412-12	MDC 2412-20	MDC 2412-30
Power rating (A)	7	5	8	12	20	30
Input (Vdc)	9-18	18-35	18-35	20-35	20-35	20-35
Output (Vdc)	24	13.2	13.2	13.2	13.8	13.8
Cooling	convection	convection	convection	convection	convection	Fan
Dimensions l x w x h (mm)	98x88x49	68x88x49	88x98x49	88x98x49	126x88x49	151x88x49
Weight (gr)	300	170	250	260	480	600

### General data MDC

#### Standard features :

- Can withstand very high voltage spikes from the 24V system (load dump)
- Protects your appliances against high voltage spikes from the DC-system
- Ambient operating temp. Range – 20°C to 40°C
- Typical efficiency 90 % at full load

#### Protection for :

- Short circuit
- Current limit
- Reverse input polarity
- Thermal limit

### Warranty : 2 years