









■ Main Features

- **J** High efficiency and extremely compact size
- J Only 35mm width aluminum enclosure
- J Active PFC
- J Overload 125%
- J High operating temperature with no derating

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TECHNICAL DATA

Model type OUTPUT DATA Rated voltage Adj. output voltage range	MEPS150-24
Rated voltage	
Adj. output voltage range	24Vdc
	24Vdc Fixed
Continuous current	6.0A
Overload limit	7.5A
Load regulation	≤ 1%
Ripple & Noise ¹	≤ 50mVpp
Hold up time Vin = 120Vac	≥ 20ms
Vin = 240Vac	≥ 30ms
	uit: with Constant current
Protections Thermal protection Input undervoltage lo	
Output overvoltage	
Output overvoltage protection	≥ 33Vdc
Status Signals DC OK - green LED OVERLOAD - red LED	
Parallel connection	Possible for power or redundancy (with external ORing module)
INPUT DATA	
	Nominal: 120240Vac
Input AC rated voltage	Range: 90264Vac
Frequency	4763Hz
Input DC rated voltage	110345Vdc
Input AC rated current	220110-10-100
Vin = 120Vac	1.5A
Vin = 240Vac	0.8A
Input DC rated current	
Vin = 110Vdc	1.5A
Vin = 345Vdc	0.6A
Power factor correction	Active / > 0.9
Inrush peak current	≤ 30A
Touch (leakage) current	≤0.5mA
Internal protection fuse	Fuse 3.15AT (not user replaceable)
Recommended external protection It is strongly re	Fuse 4AT or MCB 4A C curve ecommended to provide external surge arresters (SPD) according to local regulations.
GENERAL DATA	
Efficiency	> 90.7%
Dissipated power	<15W
Operating temperature ²	- 35°C+ 70°C
Derating	- 4.5W/°C over 50°C
Storage temperature	- 40°C+ 80°C
Humidity	595% r.H. non condensing
Life time expectation	69'000h (7.9 years) at 25°C ambient full load
Overvoltage category • EN50178	III
Pollution degree IEC60664-1	2
Protection Class CLASS	1
Input / output isolation	4.2kVdc
Input / ground isolation	2.2kVdc
Output / ground isolation	0.75kVdc
■ UL508	(pending)
Safety Standards • EN60950	(reference)
■ EN50178	(reference)
■ EN55011 (CISPR11)	Class B
EMC Emission ■ EN55022 (CISPR22) ■ EN61000-3-2	Class B
2.101300 3 2	Class A
■ EN61000-4-2	Level 3
■ EN61000-4-3 EMC Immunity ■ EN61000-4-4	Level 3 Level 4
■ EN61000-4-4 ■ EN61000-4-5	Level 4 Level 4
■ EN61000-4-11	Level 2
Protection degree • EN60529	IP20
120 00000 2 0	(5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z)
Shock IFC 60068-2-27	(30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total)

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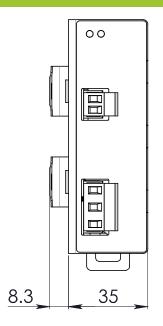


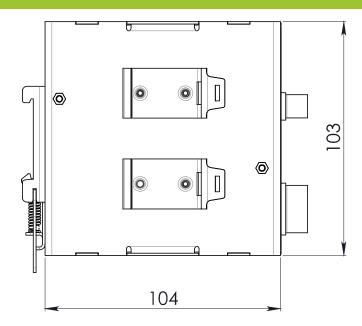
Connection terminals	2.5mm², screw type pluggable (2412AWG)
Case material	Aluminum
Weight	0.45kg
Size (W x H x D)	35.0 x 103.0 x 104.0mm

- 1) Ripple and Noise are measured with 20MHz bandwidth, probe terminated with a 0.1µF MKP parallel capacitor.
- 2) Start-up type tested: 20°C, possible at nominal voltage with load deration.

- Technical parameters are typical, measured in laboratory environment at 25°C and 240Vac / 50Hz, at nominal values, after minimum 5 minutes of operation.
 Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details.
- Data may change without prior notice in order to improve the product.

DIMENSIONS





CONNECTION



Input Connection:

Single phase:

- L = Line
- N = Neutral
- I = Earth ground

DC:

- L = + Positive DC
- N = Negative DC
- I = Earth ground

Output Connection:

- + = Positive DC
- - = Negative DC

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