

Datasheet

Power supply module IMB - ps2

Doc.-No. : D2F121 020

Rev. : 01/09



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The switching power supply IMB-ps2 is specially designed for the IMBus and contains a wide voltage input for the usage in every country.
On larger bus expansions power supply modules can be easily added at any position in IMBus.



Art.-No. F121 020

Technical data

Electrical characteristics "Input"

Nominal input voltage range	100 – 240 V
Frequency range (input)	45 – 60 Hz (AC) / 0 Hz (DC)
Current consumption (at nominal load condition)	30 – 60 mA
Output hold-up time (at 100 V / 240 V)	> 10 ms / > 100 ms
Turn on time (after activating mains switch)	< 1s
Input protection (both lines)	internal 1A (slow blowing)

Electrical characteristics "Output"

Nominal output voltage U_{nom} / tolerance	5,25 VDC $\pm$ 3%
Nominal output current I_{nom} (up to 50°C)	1.2 A
Ripple voltage	< 25 mVpp
Efficiency (typical)	> 70%
Current limitation	4 A

General data

Mounting	as desktop device or mounted on a 35 mm mounting rail (according to EN 60715)
Protection class	IP20
Case finish	Aluminium anodised / ABS plastic
Mains input	IEC C14 chassis socket
Dimensions W x H x D	75 x 65 x 49.25 mm
Weight	152 g

Climatic data

Ambient temperature (operation / storage)	0 up to 50°C / -20 up to +85°C
Humidity	up to 95% at 25°C (non-condensing)

Certification / engineer standards

Insulation voltage input / output	2.5 kV type approval
Electrical safety	according to EN 61010
Electromagnetic compatibility (EMC)	according to EN 55011 EN 61000-6-2
CE compliant to EMC-Directive 89/336/EWG	