AEBS1200120010	One Phase 240 Vac Power Supply Output 70...120 Vdc 0...10 A Max	
	Item Type	**AEBS1200120010** Power Supply one phase Output 70..120 Vdc 0..10 A max
	Rev. 1	Data: 20/12/2020



- **Characteristics**

Air-cooling with forced fan (1200 Watt)
Protections:
- Short circuit
- Over voltage
- Over current
- Over temperature

8x2-characters display with indication of setup and dynamic values
Numeric keypad for setting values
Availability with Ethernet and Bluetooth communication

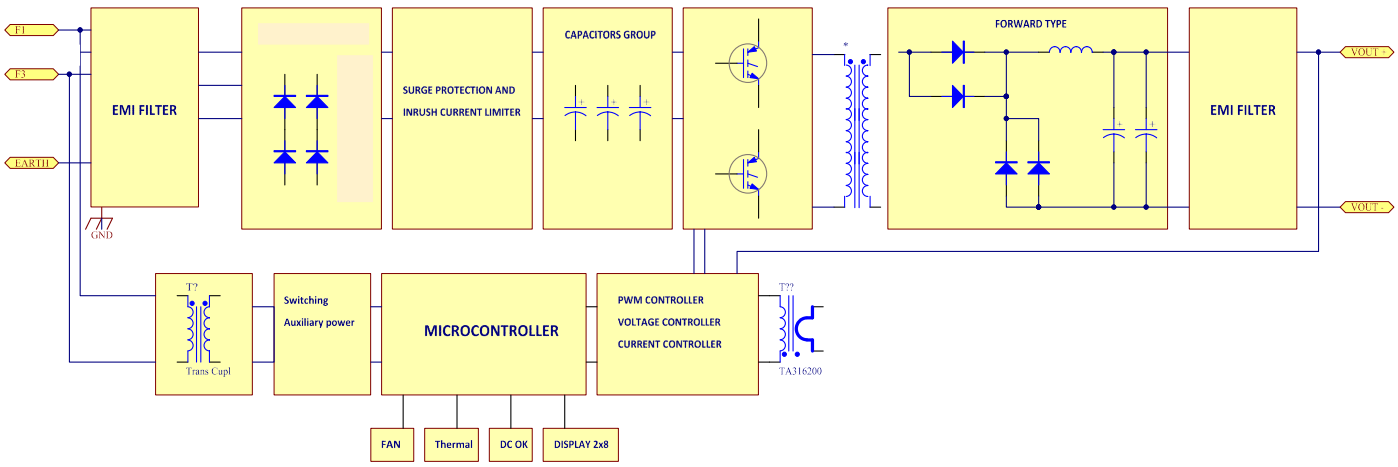
- **Applications**

Machine automation
Motor drive applications
Industry control system
Machine and electrical equipment
Household applications

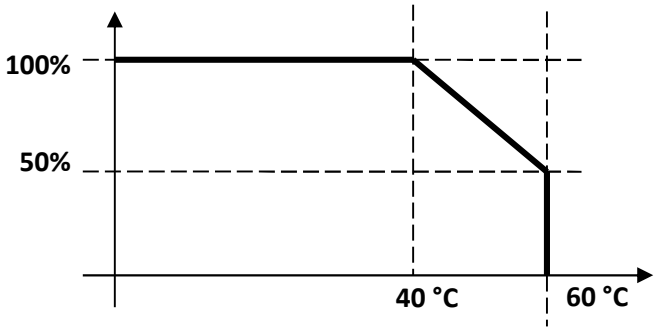
- **Standards**

EMC : EN55022 Class B EN61000-6-4 EN61000-6-3-2,3 EN61000-6-2

1. Block Diagram



2. Derating



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ORDER CODE	MODEL	CODE
	AEBS1200120010	AEBS1200120010

INPUT TECHNICAL DATA	
Rated input voltage	200...260 V_{AC} (range: 200..260V_{AC})
Frequency	47...63 Hz
Input current @ rated P_{OUT}	5.5 A @ 230 V_{AC}
Inrush peak current	< 60 A
Power Factor @ 400V_{AC}	0.6
Overvoltage protection	Yes
Internal fuse protection	No

OUTPUT TECHNICAL DATA	
Voltage	Reg. 70...120 V_{DC}
Max. output current	Reg. 1...10 A
Max. continuous output current	10 A @ 110V
Short circuit current	> 16 A for 1 s
Load regulation	< 2 %
Ripple @ rated P_{OUT}	< 1000 mVpp (according to IEC1204)
Hold up time @ rated P_{OUT}	> 15 ms @ 240V_{AC}
Protections: 1) Overload 2) Short circuit 3) Thermal 4) Output max overvoltage	 Yes Yes Yes
Output status signal	OUT ACTIVE WITH ENABLE PIN EN+ EN - ACTIVE + 24 VDC ()
"DC OK" V_{OUT} Threshold	10% below set Value
Parallel connection	Possible for increased power and redundancy (optional to require)

GENERAL TECHNICAL DATA	
Efficiency @ rated P_{OUT}	Typical 83 % @ 240V_{AC}
Dissipated power	< 200 W
Operating temperature	-20...+ 40°C, with thermal protection without derating
Input/output insulation	3 kV_{AC} / 60 s
Input/ground insulation	2 kV_{AC} / 60 s
Output/ground insulation	1 kV_{AC} / 60 s
Protection degree	IP20 ; to be mounted inside a restricted access location
Safety standards	EN60950
EMC Standards	EN55022 Class B EN61000-6-4 EN61000-6-3-2,3 EN61000-6-2
Connection terminal blocks	Screw type 6 / 10 mm²
Housing material	Aluminium
Approximative weight	~5 kg
Dimension	345 x 200 x 108 mm
Mounting information	See Drawing