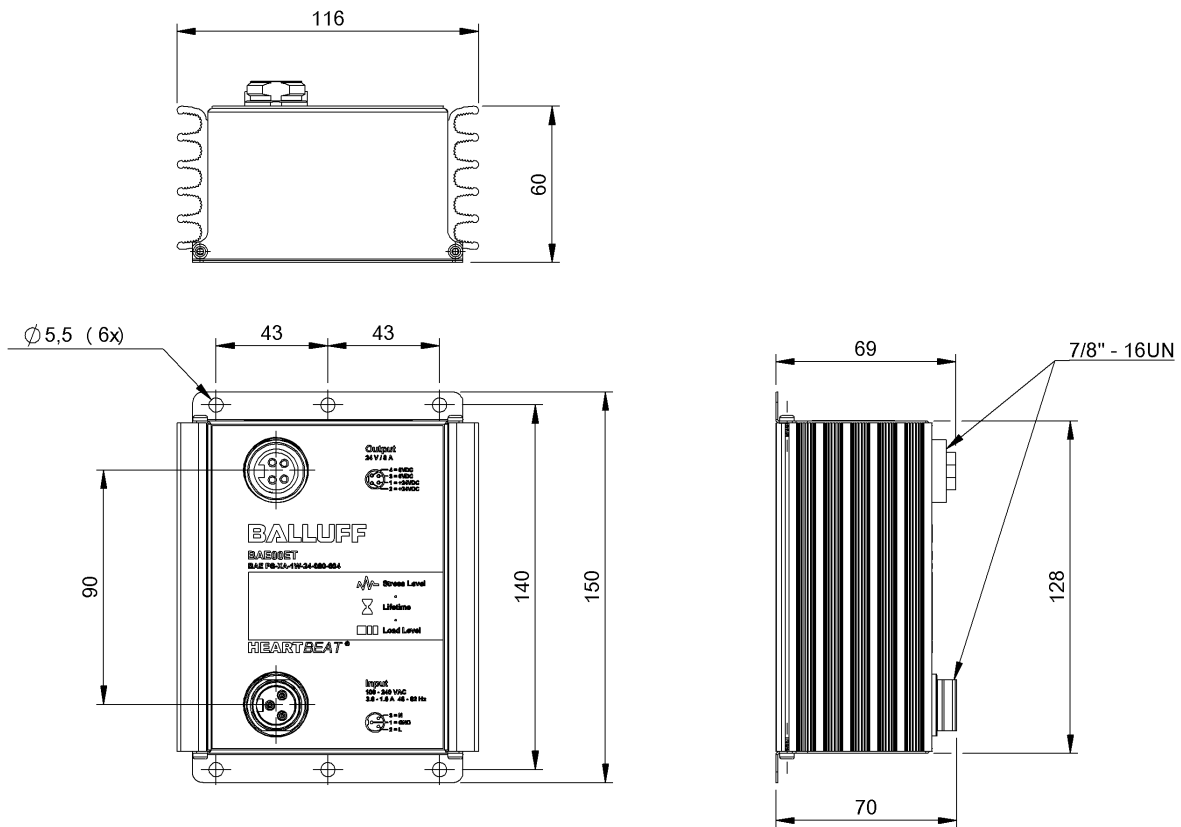


Switching Power Supplies  
**BAE PS-XA-1W-24-080-604**  
**Order Code: BAE00ET**

**BALLUFF**



**Basic features**

<b>Approval/Conformity</b>	CE cURus WEEE
<b>Basic standard</b>	EN 61204
<b>Series</b>	Heartbeat
<b>Short description</b>	Switching power supply
<b>Version</b>	IP67

**Electrical connection**

<b>Connection (supply voltage IN)</b>	7/8"-Male
<b>Connection (supply voltage OUT)</b>	7/8"-Female
<b>Connector supply voltage IN, type</b>	Male
<b>Connector supply voltage OUT, style</b>	7/8"
<b>Connector supply voltage OUT, type</b>	Female
<b>Interconnected operation type</b>	Parallel wiring: not possible Series wiring: max. 2 devices
<b>Polarity reversal protected</b>	yes
<b>Short-circuit protection</b>	continuous short circuit protection

**Electrical data**

<b>Derating</b>	-2.5 %/°C >+60 °C
<b>Display</b>	Lifetime Load Level Stress Level
<b>Efficiency typ.</b>	91 %
<b>Hold-up time</b>	≥ 100 ms at 230 V AC ≥ 25 ms at 115 V AC
<b>Input fuse</b>	T 6.3 A internal
<b>Input voltage</b>	90...254 V AC
<b>Input/output insulation voltage</b>	3000 V AC
<b>Inrush current</b>	≤ 20 A
<b>Isolation resistance</b>	≥ 100 MOhm
<b>Load control</b>	±1 %
<b>Output capacity max.</b>	192 W
<b>Output current max.</b>	12 A for max. 4s
<b>Output voltage</b>	24 VDC
<b>Output voltage, tolerance</b>	-1...3 %
<b>Power boost</b>	150 %
<b>Power boost, duration max.</b>	4 s
<b>Protection class</b>	I
<b>Rated input current</b>	1.6 A at 240 V AC 3.6 A at 100 V AC

Switching Power Supplies  
**BAE PS-XA-1W-24-080-604**  
**Order Code: BAE00ET**

**BALLUFF**

Rated output current	8 A
Residual ripple max.	1 %
Settling time	1 ms
Switching frequency	110000 Hz
Turn-on time max.	1 s
Voltage control	±1 %
Working frequency	48...62 Hz

**Environmental conditions**

Ambient temperature	-25...70 °C
Contamination scale	3
Cooling	Free convection
IP rating	IP67, with connector
IP rating IEC 60529 (connector)	IP67 with connector
Over temperature	protected
Relative humidity	100 %
Storage temperature	-25...85 °C
Temperature coefficient max.	±0.03 %/K

**Functional safety**

MTTF (40 °C)	76.6 a
--------------	--------

**Material**

Housing material	Aluminium
------------------	-----------

**Mechanical data**

Casting	PUR
Dimension	116 x 70 x 150 mm
Mounting part	Flange mounting
Weight	1.65 kg

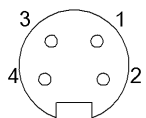
**Remarks**

Values measured at +25 °C and full load.

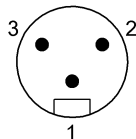
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

**Connector Drawings**



Power Out  
 PIN 1: +24V  
 PIN 2: +24V  
 PIN 3: 0V  
 PIN 4: 0V



Power IN  
 PIN 1: GND  
 PIN 2: L  
 PIN 3: N