



### Basic features

<b>Approval/Conformity</b>	CE EAC cURus cULus WEEE
<b>Basic standard</b>	EN 61204
<b>Series</b>	Standard
<b>Short description</b>	Switching power supply
<b>Version</b>	DIN rail

### Electrical connection

<b>Connection</b>	0.25...2.5 mm <sup>2</sup>
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### Electrical data

<b>Derating</b>	-1.0%/°C -10°C/-20°C -1.67 %/°C +40 °C / 115 V AC -2.5 %/°C +50 °C / 230 V AC
<b>Efficiency typ.</b>	89 %
<b>Hold-up time</b>	≥ 16 ms typ. at 115 V AC ≥ 60 ms typ. at 230 V AC
<b>Input fuse</b>	F 5 AH
<b>Input voltage</b>	100...240 V AC, 1-phase
<b>Input voltage</b>	85...264 V AC
<b>Input/output insulation voltage</b>	3000 V AC
<b>Inrush current</b>	≤ 50 A at 230 V AC
<b>Isolation resistance</b>	≥ 100 MOhm
<b>Output power max.</b>	75 W
<b>Output voltage</b>	24 VDC
<b>Output voltage, tolerance</b>	+1 %
<b>Protection class</b>	I
<b>Rated input current</b>	1.4 A at 115 V AC 0.9 A at 230 V AC
<b>Rated output current</b>	3.12 A
<b>Setting range</b>	21.6...26 V DC
<b>Settling time</b>	2 ms
<b>Turn-on time max.</b>	1 s
<b>Working frequency</b>	47...63 Hz

Switching Power Supplies  
**BAE PS-XA-1W-24-025-016**  
Order Code: BAE0111

# BALLUFF

### Environmental conditions

Ambient temperature	-20...70 °C
Contamination scale	2
Cooling	Free convection
EN 60068-2-27, Shock	Half-sinus waves: 11 ms (10 G), x-axis
EN 60068-2-6, Vibration	Sine-wave: 10Hz till 500Hz, acceleration 19,6m/s <sup>2</sup> (2g top) 10 min/cycle, 60 min., X-axis
Over temperature	protected
Protection degree	IP20

Relative humidity	20...95 %, non-condensing
Storage temperature	-40...85 °C
Temperature coefficient max.	±0.03 %/K

### Material

Housing material	Plastic
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### Mechanical data

Dimension	27 x 123.6 x 102 mm
Mounting	DIN rail mount
Weight	0.22 kg

### Remarks

Values measured at +25 °C and full load.

### Wiring Diagrams

