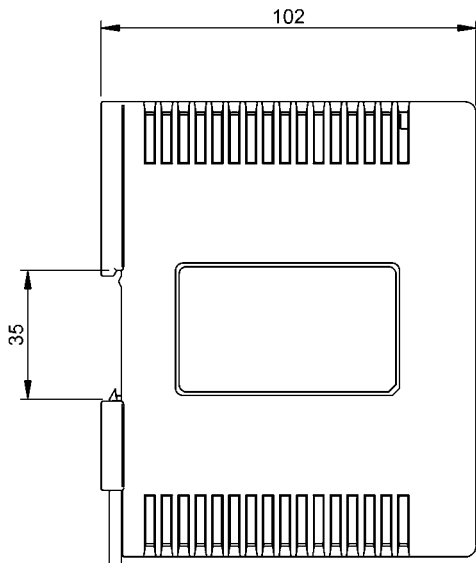
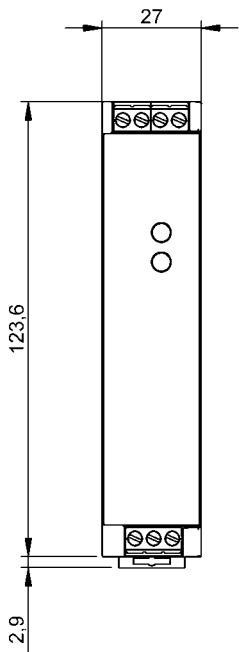


Switching Power Supplies  
BAE PS-XA-1W-24-025-016  
Order Code: BAE0111



Basic features

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

Electrical connection

|            |                            |
|------------|----------------------------|
| Connection | 0.25...2.5 mm <sup>2</sup> |
|------------|----------------------------|

Electrical data

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

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**BALLUFF**

Working frequency 47...63 Hz

Environmental conditions

|                              |                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------|
| Ambient temperature          | -20...70 °C                                                                                                |
| Contamination scale          | 2                                                                                                          |
| Cooling                      | Free convection                                                                                            |
| EN 60068-2-27, Shock         | Half-sinus: 11 ms (10 G), X-axis                                                                           |
| EN 60068-2-6, Vibration      | Sinus waves: 10Hz to 500Hz,<br>acceleration 19.6m/s <sup>2</sup> (2g peak)<br>10 min/cycle, 60 min, X-axis |
| IP rating                    | IP20                                                                                                       |
| Over temperature             | protected                                                                                                  |
| Relative humidity            | 20...95 %, non-condensing                                                                                  |
| Storage temperature          | -40...85 °C                                                                                                |
| Temperature coefficient max. | ±0.03 %/K                                                                                                  |

Material

Housing material Plastic

Mechanical data

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

Remarks

Values measured at +25 °C and full load.

Wiring Diagrams

