

Power supply



Order Code : BAE0001
BAE PS-XA-1W-24-007-001

Keyfeatures

| | |
|----------------------------|--------------------------|
| Product group | Power Supply |
| Short description | Switch-mode power supply |
| Version | DIN-Rail |
| Ambient temperature | -20...+70 °C |
| Housing material | Plastic |
| Mounting type | DIN rail mounting |

General attributes

| | |
|--|---|
| Basic standard | EN 61204 |
| Short-circuit protected | Pulsing |
| Degree of protection as per IEC 60529 | IP20 |
| Protection class | I |
| Product group | Power Supply |
| Additional text | Values measured at +25 °C and full load |
| Series | Standard |
| Short description | Switch-mode power supply |

Electrical attributes

| | |
|---------------------------------------|----------------------------|
| Switching frequency f | ca. 130 kHz |
| Insulation resistance | > 100 MΩ |
| Off-state curr. Ir max. 250VDC | 24 V DC |
| Ripple | 50 mV |
| Number of outputs | 1 |
| Frequency range | 47...63 Hz |
| Setting range | 22.5...28.5 V DC |
| Switch-on time | < 1 s |
| Settling time | 2 ms |
| Voltage control | +1 % |
| Load control | ±1 % single |
| Rated input voltage | 100...240 V AC |
| Output voltage tolerance | +1 % |
| Rated output voltage | 24 V DC |
| Rated output current | 0.75 A |
| Output power | 18 W |
| Insulation voltage In-/Output | 3000 V AC |
| Efficiency | 77 % typ. |
| Derating | -2.5 % / °C up from +61 °C |

Mechanical attributes

| | |
|-------------------------------------|-------------------|
| Ambient temperature Ta max. | +70 °C |
| Ambient temperature Ta min. | -20 °C |
| Degree of contamination | 2 |
| Housing material | Plastic |
| Temperature coefficient max. | ±0.03 % / °C |
| Version | DIN-Rail |
| Mounting type | DIN rail mounting |

| | |
|---------------------------------|---|
| Storage temperature max. | 85 °C |
| Storage temperature min. | -25 °C |
| Relative humidity | 20... 95 %, non-condensing |
| Weight | 0.15 kg |
| Connection | Terminal 0.25 mm ² ... 2.5 mm ² |
| Cooling | Free convection |
| Overtemperature | protected |