

Environmental

| Characteristic | Minimum | Typical | Maximum | Units | Notes & Conditions |
|-----------------------|---------|---------|---------|-------|---|
| Operating Temperature | -10 | | +70 | °C | See derating curve in Application Notes |
| Storage Temperature | -40 | | +85 | °C | |
| Cooling | | | | | Natural convection |
| Operating Humidity | 20 | | 95 | %RH | Non-condensing |
| Operating Altitude | | | 3000 | m | |
| Shock | | | | | IEC68-2-27, 4 g, 22 ms half sine, 3 times in each of 6 axes |
| Vibration | | | | | IEC68-2-6, 10-500 Hz, 2 g 10 mins/sweep. 60 mins for each of 3 axes |

EMC: Emissions

| Phenomenon | Standard | Test Level | Criteria | Notes & Conditions |
|----------------------|-------------|------------|----------|--------------------|
| Conducted | EN55022 | Class B | | |
| Radiated | EN55022 | Class B | | |
| Harmonic Current | EN61000-3-2 | Class A | | |
| Voltage Fluctuations | EN61000-3-3 | | | |

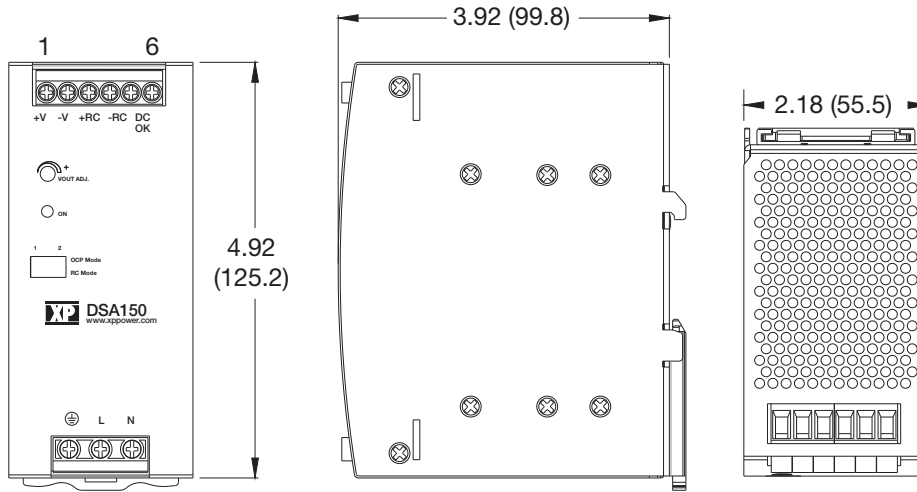
EMC: Immunity

| Phenomenon | Standard | Test Level | Criteria | Notes & Conditions |
|------------------------|-------------|----------------------|----------|--------------------|
| ESD Immunity | EN61000-4-2 | 6 kV | A | Contact |
| | | 8 kV | | Air Discharge |
| Radiated Immunity | EN61000-4-3 | 10 V/m | A | |
| EFT/Burst | EN61000-4-4 | 3 | A | |
| Surges | EN61000-4-5 | Installation class 3 | A | |
| Conducted | EN61000-4-6 | 10 V | A | |
| Magnetic Fields | EN61000-4-8 | 4 | A | |
| Dips and Interruptions | EN55024 | Dip: 30%, 10 ms | A | |
| | | Dip: 60%, 100 ms | A/B | High Line/Low Line |
| | | Dip: 100%, 5000 ms | B | |

Safety Approvals

| Safety Agency | Safety Standard | Notes & Conditions |
|---------------|---------------------|------------------------------|
| UL | UL508 | Industrial Control Equipment |
| TUV | EN60950-1 A12:2011 | Information Technology |
| CB | IEC60950-1 +A1:2009 | Information Technology |

Mechanical Details



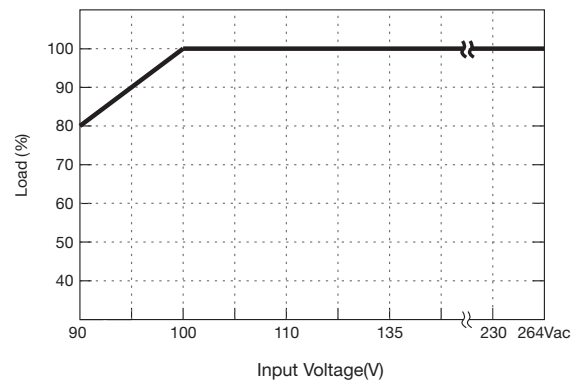
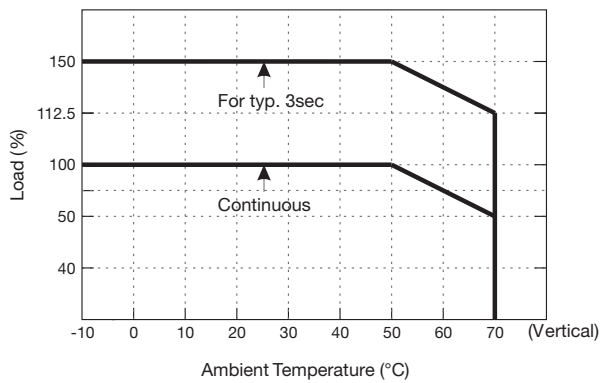
| Pin Connector | | |
|---------------|-----|-------------|
| Conn | Pin | Designation |
| AC I/P | 1 | Ground |
| | 2 | L |
| | 3 | N |
| DC O/P | 1 | +Vout |
| | 2 | -Vout |
| | 3 | +RC |
| | 4 | -RC |
| | 5 | DC OK |
| | 6 | DC OK |

Notes

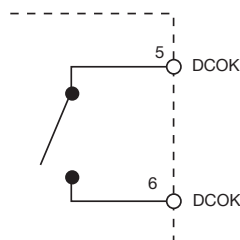
- All dimensions in inches (mm)
- Weight: 1.916 lbs (860g)
- Tolerance: ± 0.02 in (± 0.5 mm)
- Screw terminal: 10-24 AWG cables size.
- Connection screw maximum torque: Input: 4.4lbs-in (0.5 Nm), Output: 7.0 lbs-in (0.79 Nm).

Application Notes

Derating Curves



DC OK



Open = Output fail, if voltage drops below 45% of nominal
 Closed = Output good

Contact Rating: 0.3 A at 60 VDC, 1.0 A at 30 VDC, 0.5 A at 30 VAC.
 500 VDC isolation to output.