

Environmental

| Characteristic | Minimum | Typical | Maximum | Units | Notes & Conditions |
|-----------------------|---------|---------|---------|-------|---|
| Operating Temperature | -25 | | +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 | | | 5000 | m | |
| Shock | | 4 | | g | IEC68-2-27, 22 ms half sine, 3 times in each of 6 axes |
| Vibration | | 2 | | g | IEC68-2-6, 10-500 Hz, 10 mins/sweep. 60 mins for each of 3 axes |

EMC: Emissions

| Phenomenon | Standard | Test Level | Criteria | Notes & Conditions |
|----------------------|-------------|------------|----------|--------------------|
| Conducted | EN55032 | Class B | | |
| Radiated | EN55032 | Class B | | |
| Harmonic Current | EN61000-3-2 | Class A | | |
| Voltage Fluctuations | EN61000-3-3 | | | |

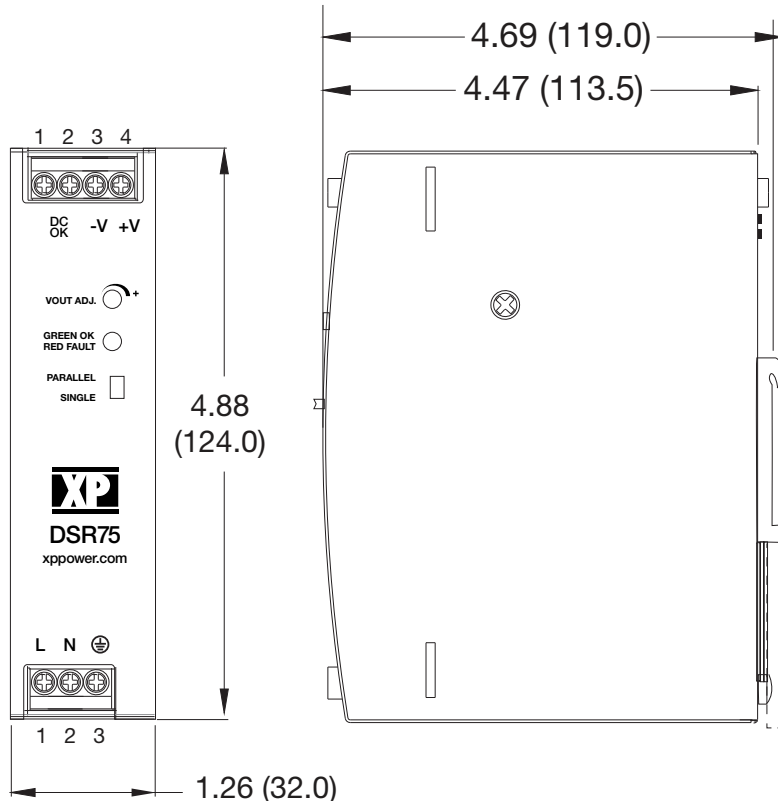
EMC: Immunity

| 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/UL60950 | Industrial Control Equipment/Information Technology |
| TUV | EN62368-1 | Information Technology |

Mechanical Details



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

Notes

- All dimensions in inches (mm)
- Weight: 1.06 lbs (480 g)
- Tolerance: ± 0.02 in (± 0.5 mm)

Application Notes

Derating Curves

DSR75PS12

