



1756 ControlLogix Power Supplies Specifications

Standard Chassis Catalog Numbers 1756-A4, 1756-A10, 1756-A13, 1756-A17

ControlLogix-XT Chassis Catalog Numbers 1756-A4LXT, 1756-A5XT, 1756-A7XLT, 1756-A7XT

Standard Power Supplies Catalog Numbers 1756-PA72, 1756-PA75, 1756-PB72, 1756-PB75, 1756-PC75, 1756-PH75

ControlLogix-XT Power Supplies Catalog Numbers 1756-PAXT, 1756-PBXT

Redundant Power Supplies Catalog Numbers 1756-PA75R, 1756-PB75R

Redundant Power Supplies Chassis Adapter Module Catalog Number 1756-PSCA2

ControlLogix-XT Redundant Power Supplies Catalog Numbers 1756-PAXTR, 1756-PBXTR

ControlLogix-XT Redundant Power Supplies Chassis Adapter Module Catalog Number 1756-PSCA2XT

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ControlLogix® power supplies are used with the 1756 chassis to provide 1.2V, 3.3V, 5V, and 24V DC power directly to the chassis backplane. Standard, ControlLogix-XT™, and redundant power supplies are available.



Summary of Changes

This manual contains new and updated information. Changes throughout this revision are marked by change bars, as shown to the left of this paragraph.

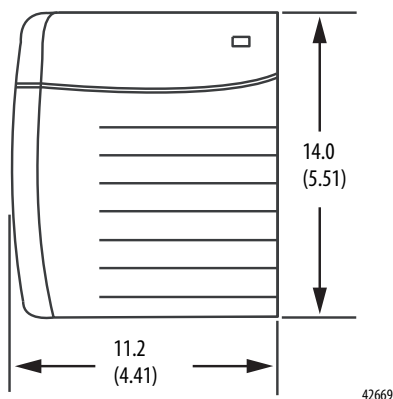
| Topic | Page |
|--|--------|
| Added Technical Specifications, Environmental Specifications, and Certifications tables for of Tables for ControlLogix-XT Redundant Power Supplies | 15, 17 |
| Updated the tables to include the ControlLogix-XT Redundant Power Supply Chassis Adapter | 17 |

The following components were added to this technical data:

- ControlLogix-XT Redundant Power Supply (catalog number 1756-PAXTR)
- ControlLogix-XT Redundant Power Supply (catalog number 1756-PBXTR)
- ControlLogix-XT Redundant Power Supply Chassis Adapter Module (catalog number 1756-PSCA2XT)
- Standard AC power supplies

Standard AC Power Supplies

1756-PA72 and 1756-PB75 Mounting Dimensions



Dimensions are in cm (in.).

Table 1 - Technical Specifications - Standard AC Power Supplies

| Attribute | 1756-PA72/C | 1756-PA75/B |
|------------------------------------|---|-------------|
| Input voltage range ⁽¹⁾ | 85...265V AC | |
| Input voltage, nom | 120V/240V AC | |
| Input frequency range | 47...63 Hz | |
| Input power, max | 100VA/100 W | |
| Output power, max | 75 W @ 0...60 °C (32...140 °F) ⁽³⁾ | |
| Power consumption | 25 W @ 0...60 °C (32...140 °F) | |
| Power dissipation | 85.3 BTU/hr | |

Table 1 - Technical Specifications - Standard AC Power Supplies

| Attribute | 1756-PA72/C | 1756-PA75/B |
|---------------------------------|--|-------------|
| Hold-up time ⁽²⁾ | 5 cycles @ 85V AC, 50/60 Hz 6 cycles @ 120V AC, 50/60 Hz 6 cycles @ 200V AC, 50/60 Hz 6 cycles @ 240V AC, 50/60 Hz | |
| Inrush current, max | 20 A | |
| Current capacity at 1.2V DC | 1.5 A | |
| Current capacity at 3.3V DC | 4 A | |
| Current capacity at 5.1V DC | 10 A | 13 A |
| Current capacity at 24V DC | 2.8 A | |
| Overcurrent protection, max | User-supplied 15 A ⁽⁴⁾ | |
| Fusing | Non-replaceable fuse is soldered in place ⁽⁵⁾ | |
| Transformer load, max | 100VA | |
| Isolation voltage | 250V (continuous), reinforced insulation type Type tested @ 3500V DC for 60 s, power input-to-backplane approx | |
| Weight, approx | 0.95 kg (2.10 lb) | |
| Dimensions | 14.0 x 11.2 x 14.5 cm (5.51 x 4.41 x 5.71 in.) | |
| Module location | Left side of 1756 chassis | |
| Chassis | 1756-A4, 1756-A7, 1756-A10, 1756-A13, 1756-A17 | |
| Chassis compatibility | Series A Series B | Series B |
| Wire size | 2.5 mm ² (14 AWG) solid or stranded copper wire rated at 90 °C (194 °F), or greater, 1.2 mm (3/64 in.) insulation max | |
| Wire category | 1 - on power ports ⁽⁶⁾ | |
| Conductor screw torque | 0.8 N•m (7 lb•in) | |
| North American temperature code | T4 | |
| Enclosure type rating | None (open-style) | |

(1) UL certification for 120/240V AC, 50/60 Hz nominal. Rockwell Automation specified 85...265V AC, 47...63 Hz.

(2) The hold-up time is the time between input voltage removal and DC power failure.

(3) The combination of all output power (5.1V backplane, 24V backplane, 3.3V backplane, and 1.2V backplane) cannot exceed 75 W.

(4) Use time-delay type overcurrent protection in all ungrounded conductors.

(5) This fuse is intended to guard against fire hazard due to short circuit conditions.

(6) Use this conductor category information for planning conductor routing as described in the system level installation manual. See the Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).

Table 2 - Environmental Specifications - Standard AC Power Supplies

| Attribute | 1756-PA72/C, 1756-PA75/B |
|---|----------------------------|
| Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock) | 0...60 °C (32...140 °F) |
| Temperature, surrounding air, max | 60 °C (140 °F) |
| Temperature, non-operating IEC 60068-2-1 (Test Ab, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Nonoperating Thermal Shock) | -40...85 °C (-40...185 °F) |
| Relative humidity IEC 60068-2-30 (Test Db, Unpackaged Damp Heat) | 5...95% noncondensing |
| Vibration IEC 60068-2-6 (Test Fc, Operating) | 2 g @ 10...500 Hz |
| Shock, operating IEC 60068-2-27 (Test Ea, Unpackaged Shock) | 30 g |

Table 2 - Environmental Specifications - Standard AC Power Supplies

| Attribute | 1756-PA72/C, 1756-PA75/B |
|---|---|
| Shock, nonoperating IEC 60068-2-27 (Test Ea, Unpackaged Shock) | 50 g |
| Emissions CISPR 11 (IEC 61000-6-4) | Class A |
| ESD immunity IEC 61000-4-2 | 6 kV contact discharges 8 kV air discharges |
| Radiated RF immunity IEC 61000-4-3 | 10V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz 10V/m with 200 Hz 50% Pulse 100% AM @ 900 MHz 10V/m with 200 Hz 50% Pulse 100% AM @ 1890 MHz 3V/m with 1kHz sine-wave 80% AM from 2000...2700 MHz |
| EFT/B immunity IEC 61000-4-4 | ±4 kV at 5 kHz on power ports |
| Surge transient immunity IEC 61000-4-5 | ±1 kV line-line (DM) and ±2 kV line-earth (CM) on power ports |
| Conducted RF immunity IEC 61000-4-6 | 10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz |
| Oscillatory surge withstand IEEE C37.90.1 | 3 kV |
| Voltage variation IEC 61000-4-11 | 30% dips for 1 period at 0° and 180° on AC supply ports 60% dips for 5 and 50 periods on AC supply ports ±10% fluctuations for 15 min on AC supply ports >95% interruptions for 250 periods on AC supply ports |

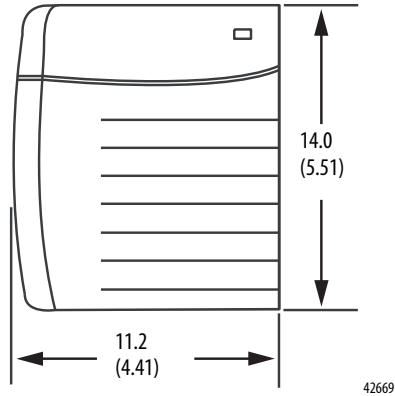
Table 3 - Certifications - Standard AC Power Supplies

| Certification ⁽¹⁾ | 1756-PA72/C, 1756-PA75/B |
|------------------------------|---|
| UL | UL Listed Industrial Control Equipment. See UL File E65584. |
| CSA | CSA Certified Process Control Equipment. See CSA File LR54689C. CSA Certified Process Control Equipment for Class I, Division 2 Group A,B,C,D Hazardous Locations. See CSA File LR69960C. |
| FM | FM Approved Equipment for use in Class I Division 2 Group A,B,C,D Hazardous Locations |
| CE | European Union 2004/108/EC EMC Directive, compliant with: <ul style="list-style-type: none"> EN 61326-1; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity EN 61000-6-4; Industrial Emissions EN 61131-2; Programmable Controllers (Clause 8, Zone A & B) European Union 2006/95/EC LVD, compliant with: <ul style="list-style-type: none"> EN 61131-2; Programmable Controllers (Clause 11) |
| C-Tick | Australian Radiocommunications Act, compliant with: <ul style="list-style-type: none"> AS/NZS CISPR 11; Industrial Emissions |
| KC | Korean Registration of Broadcasting and Communications Equipment, compliant with: <ul style="list-style-type: none"> Article 58-2 of Radio Waves Act, Clause 3 |

(1) When marked. See the Product Certification link at <http://www.ab.com> for Declarations of Conformity, Certificates, and other certification details.

Standard DC Power Supplies

1756-PB72, 1756-PB75, 1756-PC75, and 1756-PH75 Mounting Dimensions



Dimensions are in cm (in.).

Table 4 - Technical Specifications - Standard DC Power Supplies

| Attribute | 1756-PB72/C | 1756-PB75/B | 1756-PC75/B | 1756-PH75/B |
|-----------------------------|--|-------------|----------------------------|-----------------------------|
| Input voltage range | 18...32V DC ⁽²⁾ | | 30...60V DC ⁽⁷⁾ | 90...143V DC ⁽⁸⁾ |
| Input voltage, nom | 24V DC | | 48V DC | 125V DC |
| Input power, max | 95 W | | | |
| Output power, max | 75 W @ 0...60 °C (32...140 °F) ⁽³⁾ | | | |
| Power consumption | 20 W @ 0...60 °C (32...140 °F) | | | |
| Power dissipation | 68.2 BTU/hr | | | |
| Hold-up time ⁽¹⁾ | 35 ms @ 18V DC 40 ms @ 24V DC 40 ms @ 32V DC | | 50 ms @ 30...60V DC nom | 50 ms @ 90...143V DC nom |
| Inrush current, max | 30 A | | 20 A | |
| Current capacity at 1.2V | 1.5 A | | | |
| Current capacity at 3.3V | 4 A | | | |
| Current capacity at 5.1V | 10 A | 13 A | | |
| Current capacity at 24V | 2.8 A | | | |
| Overcurrent protection, max | User-supplied 15 A ⁽⁴⁾ | | | |
| Fusing | Non-replaceable fuse is soldered in place ⁽⁵⁾ | | | |
| Isolation voltage | 250V (continuous), reinforced insulation type, power input-to-backplane Type tested @ 3500V DC for 60 s | | | |
| Weight, approx | 0.95 kg (2.10 lb) | | | |
| Dimensions | 14.0 x 11.2 x 14.5 cm (5.51 x 4.41 x 5.71 in.) | | | |
| Module location | Left side of 1756 chassis | | | |
| Chassis | 1756-A4, 1756-A7, 1756-A10, 1756-A13, 1756-A17 | | | |
| Chassis compatibility | Series A Series B | Series B | | |
| Wire size | 2.5 mm ² (14 AWG) solid or stranded copper wire rated at 90 °C (194 °F), or greater, 1.2 mm (3/64 in.) insulation max | | | |
| Wire category | 1 - on power ports ⁽⁶⁾ | | | |

Table 4 - Technical Specifications - Standard DC Power Supplies

| Attribute | 1756-PB72/C | 1756-PB75/B | 1756-PC75/B | 1756-PH75/B |
|---------------------------------|-------------------|-------------|-------------|-------------|
| Conductor screw torque | 0.8 N·m (7 lb·in) | | | |
| North American temperature code | T4 | | | |
| IEC temperature code | T4 | | N/A | |
| Enclosure type rating | None (open-style) | | | |

- (1) The hold-up time is the time between input voltage removal and DC power failure.
- (2) UL certification for 24V DC nominal. Rockwell Automation specified 18...32V DC.
- (3) The combination of all output power (5.1V backplane, 24V backplane, 3.3V backplane, and 1.2V backplane) cannot exceed 75 W.
- (4) Use time-delay type overcurrent protection in all ungrounded conductors.
- (5) This fuse is intended to guard against fire hazard due to short circuit conditions.
- (6) Use this conductor category information for planning conductor routing as described in the system level installation manual. See the Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).
- (7) UL Certification for 48V DC nominal. Rockwell Automation specified 30...60V DC.
- (8) UL certification for 125V DC nominal. Rockwell Automation specified 90...143V DC.

Table 5 - Environmental Specifications - Standard DC Power Supplies

| Attribute | 1756-PB72/C, 1756-PB75/B | 1756-PC75/B, 1756-PH75/B |
|--|--|--------------------------|
| Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock) | 0...60 °C (32...140 °F) | |
| Temperature, surrounding air, max | 60 °C (140 °F) | |
| Temperature, nonoperating IEC 60068-2-1 (Test Ab, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Nonoperating Thermal Shock) | -40...85 °C (-40...185 °F) | |
| Relative humidity IEC 60068-2-30 (Test Db, Unpackaged Damp Heat) | 5...95% noncondensing | |
| Vibration IEC 60068-2-6 (Test Fc, Operating) | 2 g @ 10...500 Hz | |
| Shock, operating IEC 60068-2-27 (Test Ea, Unpackaged Shock) | 30 g | |
| Shock, nonoperating IEC 60068-2-27 (Test Ea, Unpackaged Shock) | 50 g | |
| Emissions CISPR 11 (IEC 61000-6-4) | Class A | |
| ESD immunity IEC 61000-4-2 | 6 kV contact discharges 8 kV air discharges | |
| Radiated RF immunity IEC 61000-4-3 | 10V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz 10V/m with 200 Hz 50% Pulse 100% AM @ 900 MHz 10V/m with 200 Hz 50% Pulse 100% AM @ 1890 MHz 3V/m with 1 kHz sine-wave 80% AM from 2000...2700 MHz | |
| EFT/B immunity IEC 61000-4-4 | ±4 kV at 5 kHz on power ports | |
| Surge transient immunity IEC 61000-4-5 | ±1 kV line-line (DM) and ±2 kV line-earth (CM) on power ports | |
| Conducted RF immunity IEC 61000-4-6 | 10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz | |
| Oscillatory surge withstand IEEE C37.90.1 | N/A | 3 kV |
| Voltage variation IEC 61000-4-29 | 60% dips for 100 ms on DC supply ports 100% dips for 50 ms on DC supply ports ±20% fluctuations for 15 min on DC supply ports 5 s interruptions on DC supply ports 10 ms interruption on DC supply ports | |

Table 6 - Certifications - Standard DC Power Supplies

| Certification ⁽¹⁾ | 1756-PB72/C, 1756-PB75/B | 1756-PC75/B, 1756-PH75/B |
|------------------------------|---|---|
| UL | N/A | UL Listed Industrial Control Equipment. See UL File E65584. |
| c-UL-us | UL Listed Industrial Control Equipment, certified for US and Canada. See UL File E65584. UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for US and Canada. See UL File E194810. | N/A |
| CSA | CSA Certified Process Control Equipment. See CSA File LR54689C. CSA Certified Process Control Equipment for Class I, Division 2 Group A,B,C,D Hazardous Locations. See CSA File LR69960C. | |
| FM | FM Approved Equipment for use in Class I Division 2 Group A,B,C,D Hazardous Locations | N/A |
| CE | European Union 2004/108/EC EMC Directive, compliant with: <ul style="list-style-type: none"> • EN 61326-1; Meas./Control/Lab., Industrial Requirements • EN 61000-6-2; Industrial Immunity • EN 61000-6-4; Industrial Emissions • EN 61131-2; Programmable Controllers (Clause 8, Zone A & B) European Union 2006/95/EC LVD, compliant with: <ul style="list-style-type: none"> • EN 61131-2; Programmable Controllers (Clause 11) | |
| C-Tick | Australian Radiocommunications Act, compliant with: <ul style="list-style-type: none"> • AS/NZS CISPR 11; Industrial Emissions | |
| Ex | European Union 94/9/EC ATEX Directive, compliant with: <ul style="list-style-type: none"> • EN 60079-15; Potentially Explosive Atmospheres, Protection "n" • EN 60079-0; General Requirements • II 3 G Ex nA IIC T4 Gc X | N/A |
| KC | Korean Registration of Broadcasting and Communications Equipment, compliant with: <ul style="list-style-type: none"> • Article 58-2 of Radio Waves Act, Clause 3 | |

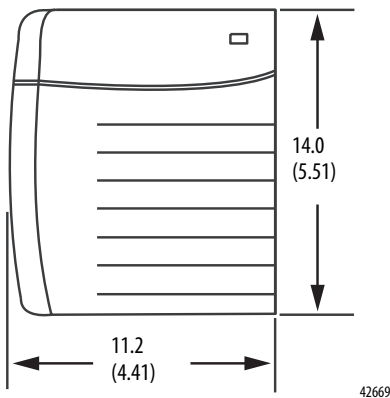
(1) When marked. See the Product Certification link at <http://www.ab.com> for Declarations of Conformity, Certificates, and other certification details.

1756 ControlLogix-XT Power Supplies

The ControlLogix-XT products include control and communication system components that, when used with FLEX I/O-XT™ products, provide a complete control system solution that you can use in environments where temperatures range from -20...70 °C (-4...158 °F).

When used independently, the ControlLogix-XT system can withstand environments where the temperature ranges from -25...70 °C (-13...158 °F).

1756-PAXT and 1756-PBXT Mounting Dimensions



Dimensions are in cm (in.).

Table 7 - Technical Specifications - ControlLogix-XT Power Supplies

| Attribute | 1756-PAXT | 1756-PBXT |
|-----------------------------|---|--|
| Input voltage range | 85...265V AC ⁽²⁾ | 18...32V DC |
| Input voltage, nom | 120/240V AC | 24V DC |
| Input frequency range | 47...63 Hz | N/A |
| Input power, max | 82VA 64 W | 54 W |
| Output power, max | 42 W @ -25...70 °C (-13...158 °F) | |
| Power consumption | 22 W | 12 W |
| Power dissipation | 75.1 BTU/hr | 40.9 BTU/hr |
| Hold-up time ⁽¹⁾ | 6 cycles @ 85V AV, 50/60 Hz 6 cycles @ 120V AV, 50/60 Hz 6 cycles @ 200V AV, 50/60 Hz 6 cycles @ 240V AV, 50/60 Hz | 35 ms @ 18V DC 40 ms @ 24V DC 40 ms @ 32V DC |
| Inrush current, max | 20 A | 30 A |
| Current capacity at 1.2V | 1.5 A | |
| Current capacity at 3.3V | 4 A | |
| Current capacity at 5.1V | 8 A | |
| Current capacity at 24V | 1.75 A | |
| Overcurrent protection, max | User-supplied 15 A ⁽³⁾ | |
| Fusing | Non-replaceable fuse is soldered in place ⁽⁴⁾ | |
| Isolation voltage | 250V (continuous), reinforced insulation type, power input-to-backplane Type tested @ 3260V DC for 60 s | |

Table 7 - Technical Specifications - ControlLogix-XT Power Supplies

| Attribute | 1756-PAXT | 1756-PBXT |
|---------------------------------|--|-----------|
| Weight, approx | 0.95 kg (2.10 lb) | |
| Dimensions | 14.0 x 11.2 x 14.5 cm (5.51 x 4.41 x 5.71 in.) | |
| Module location | Left side of 1756 chassis | |
| Chassis | 1756-A4LXT, 1756-A5XT, 1756-A7LXT, 1756-A7XT | |
| Wire size | 2.5 mm ² (14 AWG) solid or stranded copper wire rated at 90 °C (194 °F), or greater, 1.2 mm (3/64 in.) insulation max | |
| Wire category | 1 - on power ports ⁽⁵⁾ | |
| Conductor screw torque | 0.8 N·m (7 lb·in) | |
| North American temperature code | T4 | T4A |
| IEC temperature code | T4 | |
| Enclosure type rating | None (open-style) | |

- (1) The hold-up time is the time between input voltage removal and DC power failure.
- (2) UL certification for 120/240V AC, 50/60 Hz nominal. Rockwell Automation specified 85...265V AC, 47...63 Hz.
- (3) Use time-delay type overcurrent protection in all ungrounded conductors.
- (4) This fuse is intended to guard against fire hazard due to short circuit conditions.
- (5) Use this conductor category information for planning conductor routing as described in the system level installation manual. See the Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).

Table 8 - Environmental Specifications - ControlLogix-XT Power Supplies

| Attribute | 1756-PAXT | 1756-PBXT |
|--|--|-----------|
| Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock) | -25...70 °C (-13...158 °F) | |
| Temperature, surrounding air, max | 70 °C 158 °F) | |
| Temperature, nonoperating IEC 60068-2-1 (Test Ab, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Nonoperating Thermal Shock) | -40...85 °C (-40...185 °F) | |
| Relative humidity IEC 60068-2-30 (Test Db, Unpackaged Damp Heat) | 5...95% noncondensing | |
| Vibration IEC 60068-2-6 (Test Fc, Operating) | 2 g @ 10...500 Hz | |
| Shock, operating IEC 60068-2-27 (Test Ea, Unpackaged Shock) | 30 g | |
| Shock, nonoperating IEC 60068-2-27 (Test Ea, Unpackaged Shock) | 50 g | |
| Emissions CISPR 11 (IEC 61000-6-4) | Class A | |
| ESD immunity IEC 61000-4-2 | 6 kV contact discharges 8 kV air discharges | |
| Radiated RF immunity IEC 61000-4-3 | 10V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz 10V/m with 200 Hz 50% Pulse 100% AM at 900 MHz 10V/m with 200 Hz 50% Pulse 100% AM at 1890 MHz 3V/m with 1 kHz sine-wave 80% AM from 2000...2700 MHz | |
| EFT/B immunity IEC 61000-4-4 | ±4 kV at 5 kHz on power ports | |
| Surge transient immunity IEC 61000-4-5 | ±1 kV line-line (DM) and ±2 kV line-earth (CM) on power ports | |
| Conducted RF immunity IEC 61000-4-6 | 10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz | |

Table 8 - Environmental Specifications - ControlLogix-XPowert Supplies

| Attribute | 1756-PAXT | 1756-PBXT |
|--|---|--|
| Oscillatory surge withstand IEEE C37.90.1 | 3 kV | N/A |
| Voltage variation IEC 61000-4-11 | 30% dips for 1 period at 0° and 180° on AC supply ports 60% dips for 5 and 50 periods on AC supply ports ±10% fluctuations for 15 min on AC supply ports >95% interruptions for 250 periods on AC supply ports | N/A |
| Voltage variation IEC 61000-4-29 | N/A | 60% dips for 100 ms on DC supply ports 100% dips for 50 ms on DC supply ports ±20% fluctuations for 15 min on DC supply ports 5 s interruptions on DC supply ports 10 ms interruption on DC supply ports |

Table 9 - Certifications - ControlLogix-XPowert Supplies

| Certification ⁽¹⁾ | 1756-PAXT, 1756-PBXT |
|------------------------------|---|
| c-UL-us | UL Listed Industrial Control Equipment, certified for US and Canada. See UL File E65584. UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for US and Canada. See UL File E194810. |
| CE | European Union 2004/108/EC EMC Directive, compliant with: <ul style="list-style-type: none"> EN 61326-1; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity EN 61000-6-4; Industrial Emissions EN 61131-2; Programmable Controllers (Clause 8, Zone A & B) European Union 2006/95/EC LVD, compliant with: <ul style="list-style-type: none"> EN 61131-2; Programmable Controllers (Clause 11) |
| C-Tick | Australian Radiocommunications Act, compliant with: <ul style="list-style-type: none"> AS/NZS CISPR 11; Industrial Emissions |
| Ex | European Union 94/9/EC ATEX Directive, compliant with: <ul style="list-style-type: none"> EN 60079-15; Potentially Explosive Atmospheres, Protection "n" EN 60079-0; General Requirements II 3 G Ex nA IIC T4 Gc X |
| KC | Korean Registration of Broadcasting and Communications Equipment, compliant with: <ul style="list-style-type: none"> Article 58-2 of Radio Waves Act, Clause 3 |

(1) When marked. See the Product Certification link at <http://www.ab.com> for Declarations of Conformity, Certificates, and other certification details.