

ControlLogix 1756 Product Declaration of Conformity

Gaseous Contaminant Class Severity Level Ratings and Conformal Coating

ControlLogix 1756 Standard Products

ControlLogix® 1756 standard products meet or exceed the following requirements:

- ANSI/ISA 71.04.2013 G2 environment
Tested in accordance with:
 - ASTM B845-97 Method G accelerated test environment, 20-day exposure
 - IEC 60068-2-60 Test Method 2 accelerated test environment, 20-day exposure

ControlLogix 1756 Conformal Coated Products

ControlLogix 1756 conformal coated products meet or exceed the following requirements:

- ANSI/ISA 71.04.2013 G3 environment
Tested in accordance with:
 - ASTM B845-97 Method H accelerated test environment, 20-day exposure
 - IEC 60068-2-60 Test Method 3 accelerated test environment, 20-day exposure
- IEC 61086-3-1 Class 2
- IPC-CC-830
- MIL-I-46058C
- EN600068-2-52 salt mist test, severity level 3

Conformal coating helps protect the product by providing a layer of protection against contaminants and humidity in harsh, corrosive environments. The following ControlLogix 1756 product lines use conformal coating:

- **Standard products with conformal coating** – These products have a ‘K’ suffix at the end of the catalog number, such as 1756-A4K. See [Table 1](#) for a complete list of catalog numbers.
- **Extreme environment products** – These products have an ‘XT’ suffix at the end of the catalog number, such as 1756-L73XT. See [Table 2](#) for a complete list of catalog numbers. This line of products has a wider operating temperature range of -25...+70 °C (-13...+158 °F) for extreme environments.
- **Custom coated products** – Some ControlLogix 1756 products that are not offered as standard products with conformal coating are available as a special order with conformal coating. These products have a ‘-CC’ suffix at the end of the catalog number. For more information, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

Table 1 - ControlLogix 1756 Standard Products with Conformal Coating

Description	Cat. No.
Controllers	1756-L71K, 1756-L72K, 1756-L73K, 1756-L74K, 1756-L75K 1756-L71SK, 1756-L72SK, 1756-L73SK 1756-L81EK, 1756-L82EK, 1756-L83EK, 1756-L84EK, 1756-L85EK
Communication modules	1756-CNBK, 1756-CN2RK, 1756-ENBTK, 1756-EN2TRK, 1756-EN2TK, 1756-RM2K
I/O modules	1756-IA16IK, 1756-IA16K, 1756-IB16DK, 1756-IB16IFK, 1756-IB16K, 1756-IB32K, 1756-IM16IK 1756-OA16IK, 1756-OA16K, 1756-OB16DK, 1756-OB16EK, 1756-OB16IEFK, 1756-OB32K, 1756-OW16IK 1756-IF16K, 1756-IF8IK, 1756-IF8K, 1756-IRT8IK, 1756-IF16HK, 1756-IF8HK, 1756-IF8IHK 1756-OF8IK, 1756-OF8K, 1756-OF8HK, 1756-OF8IHK
Power supplies	1756-PA72K, 1756-PB72K, 1756-PA75K, 1756-PB75K 1756-PA75RK, 1756-PB75RK, 1756-PSCA2K 1756-PA50K, 1756-PB50K
Chassis	1756-A4K, 1756-A7K, 1756-A10K, 1756-A13K, 1756-A17K

Table 2 - ControlLogix 1756 Extreme Environment Products

Description	Cat. No.
Controllers	1756-L73XT, 1756-L73SXT, 1756-LSPXT
Communication modules	1756-CN2RXT, 1756-DHRIOXT, 1756-EN2TRXT, 1756-EN2TXT, 1756-RMXT
Power supplies	1756-PAXT, 1756-PBXT, 1756-PAXTR, 1756-PBXTR, 1756-PSCA2XT 1756-PB30XT, 1756-PA30XT
Chassis	1756-A7XT/C

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Corrosion Resistance of Electrical Wire Terminals Used in Harsh Industrial Environments, publication 1492-WP003	Provides information about product selection decisions to help promote long-term reliability of electrical connections used in industrial control applications.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.rockwellautomation.com/certification	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

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Publication 1756-SR003C-EN-P - June 2016

Supersedes Publication 1756-SR003B-EN-P - July 2014

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