DESCRIPTION

PRODUCT COVERED:

USR, CNR – Series Crownline Power Bus Bar Distribution System, which includes Bus Bar Connector, Part Nos. 1857147-1, 1551796-1.

GENERAL:

This system consists of a Bus Bar Assembly, Bus Bar Connector, Positive Lok Assembly and Power Input Cables intended for use in an Industrial Control Panel. It is intended to be used with the applicant's Recognized Supplementary Protectors as specified in this Report. They are intended to be used in Industrial Control Applications whereas the suitability of the end-use combination shall be determined by Underwriters Laboratories Inc.

RATINGS:

Bus Bar System Rating: 300 A, 80 Vac
300 A, 65 Vdc
Load circuit (Bus Bar connector) Rating: 30 A, 80 Vac max
30 A, 65 Vdc max

Note: See Conditions of Acceptability for additional details regarding the device's electrical ratings, Short Circuit Current Ratings and intended use.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

CNR – Indicates Investigated To Canadian National Standard C22.2 No. 14-05.

USR – Indicates Investigated To the Standard for Industrial Control Equipment, UL 508, 17th Edition.

Note: CNR = Canadian National Standards – Recognized.
USR = United States Standards – Recognized.

CONSTRUCTION DETAILS:

General – The details of construction are covered in the following photographs and accompanying descriptive pages and illustrations.

Corrosion Protection – All parts of corrosion resistant materials are painted or plated as corrosion protection.

Tolerances – Dimensions are nominal unless specified otherwise.

Spacings – From UL Standard 508 Industrial Control Equipment Table 36.1, Column A.

	Minimum spacing, inch (mm)
	51-150 V
Through air or oil	1/8 (3.2)
Over Surface	1/4 (6.4)
Shortest Distance	1/2 (12.7)

Markings:

1. Recognized company name or Recognized trade symbol, model numbers, and certification type are provided on the device. Electrical ratings are optional.

2. Short Circuit Ratings, Optional. "Suitable for Use On A Circuit Capable of Delivering Not More Than ____ rms Symmetrical Amperes, ___ Volts ac Maximum.", or equivalent. See Item # 4 in the Conditions of acceptability for SCCR details.

3. Provided on the device or in the installation instructions, "For use with the applicant's Recognized Supplementary Protectors, Part Nos. M, W, or X followed by 67, followed by A, B, C, M, P, R, S, T, U, W, X or Y, followed by 1, 2, 3, 4, 5, 6, 9, 7, 8, A, J, K, L, or M, followed by Q, followed by letters and numbers", or equivalent.

Model Similarities:

Part nos. 1857147-1, and 1551796-1 are identical in construction and ratings.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

USE – For use only in (or with) complete equipment, when the acceptability of the combination is determined by Underwriters Laboratories Inc.

This component has been judged on the basis of the required spacings in the standard for Industrial Control Equipment, UL 508, which would cover the component itself if submitted for unrestricted Listing.

CONDITIONS OF ACCEPTABILITY:

When used in the end-product equipment the following are among the considerations to be made.

1. This device is intended to be installed within an Industrial Control Panel. The device shall be installed at least 6 in. from the walls of the metallic enclosure.

2. The terminals are suitable for factory wiring only.

3. This bus bar system has been investigated for use with this applicant's Recognized supplementary protectors as specified in the markings section of this Report only. Suitable branch circuit protection shall be installed in the end-product installation.

4. The entire bus bar system has met the requirements for a 5kA, 80Vac short circuit rating according to both UL 508 and CSA C22.2 No. 14.

   Additionally, the bus bar assembly only (Ill. 1) has been evaluated for a short circuit rating of 10KA, 80Vac as per UL 508 only.

5. The bus bar connector has been investigated for 30A max. The total current to the bus bar system at any given time shall be 300A max.