CERTIFICATE OF COMPLIANCE

Certificate Number	20180927-E60677
Report Reference	E60677-20180501
Issue Date	2018-SEPTEMBER-27
Issued to:	TYCO Electronics Corp 2901 Fulling Mill Rd Middletown PA 17057
This is to certify that representative samples of	COMPONENT - TERMINAL BLOCKS Header Cat. No. 2318770-X mated with Socket 2319461-X and Header Cat. No. 2318136-X mated with Socket 2318582-X where X can be a number from 2 to 8. Socket Cat. No. 2337604-X can be mated with either 2318770 or 2318136. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL1059, Terminal Blocks
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

DESCRIPTION

PRODUCT COVERED:

USR Recognized Component - Terminal Blocks, Header Cat. No. 2318770-X mated with Socket 2319461-X and Header Cat. No. 2318136-X mated with Socket 2318582-X where X can be a number from 2 to 8. **Socket Cat. No. 2337604-X can be mated with either 2318770 or 2318136.**

GENERAL CHARACTER AND USE:

The terminal blocks covered by this Report are intended for use in the following applications and within the ratings specified.

RATINGS:

Application -

Commercial appliances (such as business and EDP equipment, etc.)

General industrial (such as motor controllers, pushbutton stations, etc.

Terminal Type -

Front	Back
Push-In Type (Wire Secured by Spring Type Action)	Soldering Pins

Type Wiring - Factory and Field wiring

RATINGS:

Cat. No.	Wire Range AWG/kcmil	Wire Type, [Cu] [Al] [CU/AL]	FW	Torque [in-lbs] [N·m]	Voltage V	Current A	UG	CA
2319461-X, 2318582-X, **2337604-X**	18 AWG **Sol/Str**	Cu	2	N/A	250	5	B,C	2(130), 4
	20-24 AWG Sol **20-22 AWG Str**	Cu	2	N/A	250	3		
2318770-X, 2318136-X	-	-	-	-	250	5	B,C	2(130)

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Products designated USR have been investigated using requirements contained in UL 1059, the Standard for Terminal Blocks.

Conditions of Acceptability –

1. For use only in (or with) complete equipment where the acceptability of the combination is determined by UL LLC.

2. The insulating bodies are molded of polymeric materials, as specified in the following tabulation. The suitability of these materials shall be determined in the end use application.

Cat. No.	TE Raw Material Number	Base material Temperature Rating, °C
2318770, 2318136	1573235	130
*2319461, 2318582	1573551	**125**

3. The field wiring terminals of this terminal block have been evaluated using the Standard for Equipment Wiring Terminals For Use With Aluminum and/or Copper Conductors, UL 486E. The suitability of these terminals shall be determined in the end-use investigation.

4. The spacings and mounting of the PCB edge clips have not been evaluated. The suitability of the connections shall be judged in the end-use application.

5. For a 2 piece terminal block, a header having a voltage rating less than the detachable terminal block, may be used at the higher voltage when subjected to a suitable evaluation for the higher voltage in the end-use investigation, i.e. UL 840 Creepage and Clearance.

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