CERTIFICATE OF COMPLIANCE

Certificate Number	E60677
Report Reference	E60677- 20071106
Issue Date	2020-FEBRUARY-11
Issued to:	TYCO Electronics Corp 2901 Fulling Mill Rd Middletown PA 17057
This certificate confirms that representative samples of	COMPONENT - TERMINAL BLOCKS Component terminal blocks, Cat. No. D-2950, D-2970, D-3900, D-3950, D-4950.
	Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.
Standard(s) for Safety:	UL 1059, Terminal Blocks CAN/CSA C22.2 No. 158-10, Terminal Blocks
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component terminal blocks, Cat. No. D-2950, D-2970, D-3900, D-3950, D-4950.

Note - USR - Investigated for compliance with United States Standard - UL 1059, the Standard for Terminal Blocks.

CNR – Investigated for compliance with the Canadian Standard – C22.2 No. 158, the Standard for Terminal Blocks.

GENERAL:

The terminal block covered by this report is a two-piece multi pole terminal block having a PCB mounted header with solder pins, and plug-in blades which mate with a plug-in block having spring action terminals. D-3900 and D-3950 are intended for use in the following applications and within the ratings specified.

Application -

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

General Industrial (such as motor controllers, pushbutton stations, etc.)

Type Wiring Termination – Header – Solder Pins/Plug-in Blades
Plug-in block – Spring Action Terminals/Socket contacts

Type Wiring -
Factory and Field Wiring for spring action terminals. Factory-wiring only for solder pins.

Cat. No.	Wire Size AWG	Wire Type	FW	TQ Lb-In	V	A	UG
D-2950	14-22 Sol/Str	Cu	2	N/A	300	15/10 alternate poles	B
	14-22 Sol/Str	Cu	2	N/A	300	12	B
						@	D
	18 AWG Str (Ferrule)	Cu	2	N/A	300	10	B
						@	D
D-2970	14-24 Sol/Str	Cu	2	N/A	300	15	B, D@
	26 Str (Ferrule)	Cu	2				
D-3900	14-20 Sol/str.	CU	2	N/A	300	14.5	B,C
					600	@	D
D-3950	14-22 Sol/str.	CU	2	N/A	300	**16**	B,C
					600	@	D
D-4950	10-16 Sol/Str	CU	2	N/A	300	22	B, C
					600	@	D

@- These limited ratings are applicable to a terminal block for use in or with industrial control equipment whereby the load on any single circuit of the terminal block does not exceed **16** A at 51-150 V, 10 A at 151-300 V, or 5 A at 301-600 V, or the maximum ampere rating, whichever is less.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in or with products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. The mounting suitability shall be determined in the end-use equipment.

2. The spring action terminals comply with field wiring requirements in UL486E Standard for Equipment Wiring Terminals, Third Edition.

3. The terminal block soldering posts are to be factory wired only and the suitability of the connection (including spacings between factory connectors) shall be determined in the end-use.

4. The plug and socket contacts have not been evaluated for current rupturing (make and break under load).

5. The insulating bodies are molded of Recognized Component polymeric materials (QMFZ2). The acceptability of these materials shall be judged in the end use application.

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Manufacturer	**RM #**	**Max. Operating Temperature – Degrees C**
*TE Connectivity	**704654**	130
TE Connectivity	704032	130
TE Connectivity	1573551	130
TE Connectivity	2136515	130
TE Connectivity	2136691	130

6. The terminals have been investigated for use with copper conductors only.