

File E28476  
SR 9481720-T001

November 28, 2012

REPORT

On

COMPONENT - CONNECTORS FOR USE IN  
DATA, SIGNAL, CONTROL AND POWER APPLICATIONS

TYCO ELECTRONICS CORP  
HARRISBURG PA 17111

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and Report

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connector, Series Power Triple Lock, PTL-MFBL.

Cat Nos. 1971771, 1-1971771-7, 2-1971771-7, 3-1971771-7, 4-1971771-7, 5-1971771-7, 6-1971771-7, 7-1971771-7, 8-1971771-7, 1-1971771-4, 2-1971771-4, 3-1971771-4, 4-1971771-4, 5-1971771-4, 6-1971771-4, 7-1971771-4, 8-1971771-4, 1-1971771-3, 2-1971771-3, 3-1971771-3, 4-1971771-3, 5-1971771-3, 6-1971771-3, 7-1971771-3, 8-1971771-3, 1-1971771-2, 2-1971771-2, 3-1971771-2, 4-1971771-2, 5-1971771-2, 6-1971771-2, 7-1971771-2, 8-1971771-2, 1971772, 1-1971772-3, 2-1971772-3, 3-1971772-3, 4-1971772-3, 5-1971772-3, 6-1971772-3, 7-1971772-3, 8-1971772-3, 1-1971772-2, 2-1971772-2, 3-1971772-2, 4-1971772-2, 5-1971772-2, 6-1971772-2, 7-1971772-2, 8-1971772-2, 1-1971772-4, 2-1971772-4, 3-1971772-4, 4-1971772-4, 5-1971772-4, 6-1971772-4, 7-1971772-4, 8-1971772-4, 1-1971772-7, 2-1971772-7, 3-1971772-7, 4-1971772-7, 5-1971772-7, 6-1971772-7, 7-1971772-7, 8-1971772-7, 1971774, 1-1971774-6, 2-1971774-6, 3-1971774-6, 4-1971774-6, 5-1971774-6, 6-1971774-6, 7-1971774-6, 8-1971774-6, 1-1971774-5, 2-1971774-5, 3-1971774-5, 4-1971774-5, 5-1971774-5, 6-1971774-5, 7-1971774-5, 8-1971774-5, 1-1971774-4, 2-1971774-4, 3-1971774-4, 4-1971774-4, 5-1971774-4, 6-1971774-4, 7-1971774-4, 8-1971774-4, 1-1971774-3, 2-1971774-3, 3-1971774-3, 4-1971774-3, 5-1971774-3, 6-1971774-3, 7-1971774-3, 8-1971774-3, 1971775, 1-1971775-6, 2-1971775-6, 3-1971775-6, 4-1971775-6, 5-1971775-6, 6-1971775-6, 7-1971775-6, 8-1971775-6, 1-1971775-5, 2-1971775-5, 3-1971775-5, 4-1971775-5, 5-1971775-5, 6-1971775-5, 7-1971775-5, 8-1971775-5, 1-1971775-4, 2-1971775-4, 3-1971775-4, 4-1971775-4, 5-1971775-4, 6-1971775-4, 7-1971775-4, 8-1971775-4, 1-1971775-3, 2-1971775-3, 3-1971775-3, 4-1971775-3, 5-1971775-3, 6-1971775-3, 7-1971775-3, 8-1971775-3, 1971874, 1-1971874-7, 2-1971874-7, 3-1971874-7, 4-1971874-7, 5-1971874-7, 6-1971874-7, 7-1971874-7, 8-1971874-7, 1-1971874-4, 2-1971874-4, 3-1971874-4, 4-1971874-4, 5-1971874-4, 6-1971874-4, 7-1971874-4, 8-1971874-4, 1-1971874-3, 2-1971874-3, 3-1971874-3, 4-1971874-3, 5-1971874-3, 6-1971874-3, 7-1971874-3, 8-1971874-3, 1971875, 1-1971875-7, 2-1971875-7, 3-1971875-7, 4-1971875-7, 5-1971875-7, 6-1971875-7, 7-1971875-7, 8-1971875-7, 1-1971875-4, 2-1971875-4, 3-1971875-4, 4-1971875-4, 5-1971875-4, 6-1971875-4, 7-1971875-4, 8-1971875-4, 1-1971875-3, 2-1971875-3, 3-1971875-3, 4-1971875-3, 5-1971875-3, 6-1971875-3, 7-1971875-3, 8-1971875-3, 1971780, 1971780-2, 1971780-1, 1971782, 1971782-2, 1971782-1, 1971784, 1971784-2, 1971784-1, 1971788, 1971788-2, 1971788-1, 1971238, 1971238-2, 1971238-1, 1971786, 1971786-2, 1971786-1, 1971773, 1-1971773-3, 2-1971773-3, 3-1971773-3, 4-1971773-3, 5-1971773-3, 6-1971773-3, 7-1971773-3, 8-1971773-3, 1-1971773-2, 2-1971773-2, 3-1971773-2, 4-1971773-2, 5-1971773-2, 6-1971773-2, 7-1971773-2, 8-1971773-2, 1-1971773-7, 2-1971773-7, 3-1971773-7, 4-1971773-7, 5-1971773-7, 6-1971773-7, 7-1971773-7, 8-1971773-7, 1-1971773-4, 2-1971773-4, 3-1971773-4, 4-1971773-4, 5-1971773-4, 6-1971773-4, 7-1971773-4, 8-1971773-4, 1971776, 1-1971776-6, 2-1971776-6, 3-1971776-6, 4-1971776-6, 5-1971776-6, 6-1971776-6, 7-1971776-6,

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Cont'd Cat Nos. 1969883-5, 1969883-4, 1969883-3, 1969883-2, 1969884, 1969884-5, 1969884-4, 1969884-3, 1969884-2, 1969694, 1-1969694-5, 1-1969694-4, 1-1969694-3, 1-1969694-2, 1969694-5, 1969694-4, 1969694-3, 1969694-2, **2825722-1, 2825724-1, 2825747-1.**

## GENERAL:

These devices are multi-pole connectors intended for factory assembly on copper wire sizes as indicated in Ratings table below where the acceptability of combinations is determined by UL LLC. The devices are identified as follows:

USR indicates investigation to United States Standards, UL 1977.  
 CNR indicates investigation to Canadian National Standards, C22.2 No. 182.3.

## RATINGS:

Series	No. of Positions	Voltage, V ac/ dc	Ampere (A)											
			12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	18*2 AWG	20*2 AWG	22 AWG	22*2 AWG (1)	18AWG+2 2AWG	22*2 AWG (1) (2)	24AWG
Power Triple Lock	1	600	20	15	15	10	9	16	12	6.2	6	6	12	5
	2		20	15	15	10	9	16	12	6.2	6	6	12	5
	3		20	15	12	10,8	9	16	12	6.2	6	6	12	5
	4		19	14	12	9.8	9	16	12	6.2	4.5	4.5	9	4.7
	5		18	13	12	9.8	6.8	14	12	6.2	4.5	4.5	9	4.7
	6		18	13	12	9.8, 9.4, 7.8	6.8	14	12	6.2	4.5	4.5	9	4.7
	7		16	12	11	9	6.8	14	10	6.2	4	4	8	4.5
	8		16	12	11	9	6.8	14	10	6.2	4	4	8	4.5
	9		16	12	11	9, 8.5, 7.2	6.8	14	10	6.2	4	4	8	4.5
	10		15	12	8	7	6.5	12	10	5.8	4	4	8	4.5
	11		15	12	8	7	6.5	12	10	5.8	4	4	8	4.5
	12		15	12	8	7, 5.6	6.5	12	10	5.8	4	4	8	4.5
	13		14	10	8	6	6.5	10	8	5	3.5	3.5	7	4
	14		14	10	8	6	6.5	10	8	5	3.5	3.5	7	4
	15		14	10	8	6, 4.8	6.5	10	8	5	3.5	3.5	7	4
PTL - MFBL	2	600			12	8	7.2				4.8		-	
	3				9.6	8	7.2				4.8		-	

Note: (1) Limited to quick-connect terminals 1971783 (I11. 18), 2238066-1, -2 (I11. 35) and 1971784 (I11. 9), 2238067-1, -2 (I11. 36).

(2) Limited to USR only.

Disconnecting Use - see Sec Gen for required marking.

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

Use - For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC.

Conditions of Acceptability - The following are among the considerations to be made when evaluating the device in the end-use product.

## Interruption of Current

1. These devices are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.

## Current-Carrying Capability and Current Ratings

2. These devices have been subjected to the Temperature test with the rated currents and maximum temperature rise values tabulated below.

Table 1 Temperature rise for the Plug Connectors

Series Name	Power Triple Lock, Plug														
	Wire Size, AWG	Current, A							Maximum Temperature Rise, °C						
		*No. of Positions							No. of Positions						
		2	3	4	6	9	12	15	2	3	4	6	9	12	15
12	20	20	19	18	16	15	14	23	25	25.4	-	24.1	28.97	27.21	
14	15	15	14	13	12	12	10	23.3	20	19.6	22.8	21.7	24.24	25.20	
16	10	10	9	9	8	8	8	14.9	-	15.2	13.4	13.5	23.21	26.53	
16	15	12	12	12	11	8	8	28.9 7	-	-	28.2 4	29.6 1	-	-	
18	8	8	8	7	7	7	6	-	14.8	-	14	14.3	20.89	19.93	
18	10	10	9.8	9.8	9	7	6	-	25.0 0	-	28.9 6	26.1 7	-	-	
18*2	16	16	16	14	14	12	10	-	27.7	-	25.1	22.5	26.39	21.14	
20	6	6	6	6	5	6	6	-	-	14.1	-	14.2	23.13	19.19	
20	9	9	9	6.8	6.8	6.5	6.5	-	-	26.6 3	-	27.8 8	-	26.84	
20*2	12	12	12	12	10	10	8	-	-	28.7	-	25.7	26.11	18.90	
22	4	4	4	4	3	4	4	-	-	9.2	-	8	13.36	17.00	
22	6.2	6.2	6.2	6.2	6.2	5.8	5	-	-	-	-	27.7 0	27.83	24.03	
22*2	(1)	6	(2)	4.5	(3)	4	3.5 (4)	(1)	18.1	(2)	13.9	(3)	12.7	12.7 (4)	
<b>18+22</b>	<b>(1)</b>	<b>6</b>	<b>(2)</b>	<b>4.5</b>	<b>(3)</b>	<b>4</b>	<b>3.5</b>	<b>(1)</b>	<b>29.0</b>	<b>(2)</b>	<b>28.1</b>	<b>(3)</b>	<b>28.9</b>	<b>27.5</b>	
24	-	5	-	4.7	-	4.5	4	-	17.1	-	19.7	-	24.7	26.0	

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Temperature rise for the Cap Connectors employing Receptacle/Tab contact  
(2238066-1 / 2238067-1)

Series Name	Power Triple Lock, Cap													
	Current, A							Maximum Temperature Rise, °C						
	No. of Positions							No. of Positions						
Wire Size, AWG	2	3	4	6	9	12	15	2	3	4	6	9	12	15
18	-	10	-	9.4	8.5	7	6	-	28.2	-	28.7	19.3	27.9	27.9

Temperature rise for the Plug Connectors employing Receptacle/Tab contact  
(2238066-1 / 2238067-1)

Series Name	Power Triple Lock, Plug													
	Current, A							Maximum Temperature Rise, °C						
	No. of Positions							No. of Positions						
Wire Size, AWG	2	3	4	6	9	12	15	2	3	4	6	9	12	15
18	-	10	-	9.4	8.5	7	6	-	29.1	-	28.9	24.9	25.4	25.4

Temperature rise for the Cap Connectors employing Receptacle/Tab contact  
(2238066-2 / 2238067-2)

Series Name	Power Triple Lock, Cap													
	Current, A							Maximum Temperature Rise, °C						
	No. of Positions							No. of Positions						
Wire Size, AWG	2	3	4	6	9	12	15	2	3	4	6	9	12	15
18	-	8	-	7.8	7.2	5.6	4.8	-	18.4	-	21.5	24.3	17.5	15.1

Temperature rise for the Plug Connectors employing Receptacle/Tab contact  
(2238066-2 / 2238067-2)

Series Name	Power Triple Lock, Plug													
	Current, A							Maximum Temperature Rise, °C						
	No. of Positions							No. of Positions						
Wire Size, AWG	2	3	4	6	9	12	15	2	3	4	6	9	12	15
18	-	8	-	7.8	7.2	5.6	4.8	-	19.9	-	22.0	24.6	17.3	15.7

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Table 2 Temperature rise for the Cap Connectors  
Power Triple Lock, Cap

Series Name	Power Triple Lock, Cap													
	Current, A							Maximum Temperature Rise, °C						
	No. of Positions							No. of Positions						
Wire Size, AWG	2	3	4	6	9	12	15	2	3	4	6	9	12	15
12	20	20	19	18	16	15	14	23	25	25.4	-	24.1	29.88	27.57
14	15	15	14	13	12	12	10	23.3	20	19.6	22.8	21.7	21.95	25.73
16	10	10	9	9	8	8	8	14.9	-	15.2	13.4	13.5	24.35	25.70
16	15	12	12	12	11	8	8	28.84	-	-	30.00	29.78	-	-
18	8	8	8	7	7	7	6	-	14.8	-	14	14.3	20.52	20.48
18	10	10	9.8	9.8	9	7	6	-	24.75	-	29.47	25.88	-	-
18*2	16	16	16	14	14	12	10	-	27.7	-	25.1	22.5	27.75	20.90
20	6	6	6	6	5	6	6	-	-	14.1	-	14.2	24.30	17.35
20	9	9	9	6.8	6.8	6.5	6.5	-	-	28.29	-	26.10	-	28.80
20*2	12	12	12	12	10	10	8	-	-	28.7	-	25.7	26.05	20.21
22	4	4	4	4	3	4	4	-	-	9.2	-	8	14.42	17.44
22	6.2	6.2	6.2	6.2	6.2	5.8	5	-	-	-	-	28.55	29.69	22.02
22*2	(1)	6	(2)	4.5	(3)	4	3.5 (4)	(1)	15.6	(2)	15.6	(3)	12.2	12.2 (4)
<b>18+22</b>	<b>(1)</b>	<b>6</b>	<b>(2)</b>	<b>4.5</b>	<b>(3)</b>	<b>4</b>	<b>3.5</b>	<b>(1)</b>	<b>29.0</b>	<b>(2)</b>	<b>28.1</b>	<b>(3)</b>	<b>28.9</b>	<b>27.5</b>
24	-	5	-	4.7	-	4.5	4	-	17.0	-	18.9	-	24.7	27.0

These devices have been subjected to the Temperature test with the rated currents and recorded temperature (adjusted to 25°C ambient) values tabulated below:

Table 1A Temperature rise for the Plug Connectors:

Series Name	Power Triple Lock, Plug													
	Current, A							Maximum Temperature, °C						
	No. of Positions							No. of Positions						
Wire Size, AWG	2	3	4	6	9	12	15	2	3	4	6	9	12	15
22*2	(1)	12	(2)	9	(3)	8	7 (4)	(1)	80.4	(2)	61.2	(3)	63.7	77.1 (4)

Table 2A Temperature rise for the Cap Connectors:

Series Name	Power Triple Lock, Cap													
	Current, A							Maximum Temperature, °C						
	*No. of Positions							No. of Positions						
Wire Size, AWG	2	3	4	6	9	12	15	2	3	4	6	9	12	15
22*2	(1)	12	(2)	9	(3)	8	7 (4)	(1)	81.8	(2)	60.2	(3)	64.7	75.9 (4)

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**Note:**

(1) Represented by 3 position device inclusive of 1 position device; (2) represented by 6 position device inclusive of 5 position device; (3) Represented by 12 position device inclusive of 8, 10, 11 position devices; (4) Represents the 13 and 14 position devices.

Table 3 Temperature rise for the Header Connectors

Series Name	Power Triple Lock, Header							
	Current, A				Maximum Temperature Rise, °C			
	No. of Contacts				No. of Contacts			
	2	3	4	5	2	3	4	5
	20	20	19	18	24.9	24.9	23.6	22.0

Table 4 Temperature rise for the Cap/Plug Connectors:

Series Name	Power Triple Lock, Plug			
	Current, A		Maximum Temperature Rise, °C	
Wire Size, AWG	No. of Positions		No. of Positions	
	2	3	2	3
16	12	9.6	24	20.6
18	8	8	17.2	21.8
20	7.2	7.2	18.2	21.0

\*



## and Report

## Insulating Materials

3. These devices employ insulating materials with properties as tabulated below at the minimum thickness employed in the connector housing, the suitability of the insulating materials based on the documented values shall be determined in the end-use application. Please note the values specified in the table when multiple materials are indicated represent the minimum values for the group of materials.

Series	Insulating Material (#)	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, °C
Power Triple Lock (®)	A for housing	0.5 mm	V-0	4	2	150	150
	B for housing(+)	0.75 mm	V-0	-	-	140	140
	C for housing	0.5	V-0	4	3	130	130
	D for housing	0.75 mm	V-0	2	0	140	140
	E or G for housing	0.5	V-0	3	0	140	140
	F for housing	0.8 mm	V-0	2	0	140	140
	H for housing	0.5	V-0	4	0	140	140
	E for housing used in Cat Nos. 2825722-1, 2825724-1, 2825747-1	0.525	V-0	3	0	140	105
	I for housing (++) used in Cat. Nos. x-2232263-2, x-2232263-3, x-2232263-4, x-2232263-7, x-2232265-2, x-2232265-3, x-2232265-4, and x-2232265-7. Where x is 5 = Key A = Dark Grey, 6 = Key B = Brown, 7 = Key C = Green, 8 = Key D = Orange	0.75 mm	V-0	0	0	140	140

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Housing Cat. Nos.	Insulating Material (#)	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, °C
1-1971775-6, 2-1971775-6, 3-1971775-6, 4-1971775-6, 1-1971775-5, 2-1971775-5, 3-1971775-5, 4-1971775-5, 1, 2-1971776-6, 3-1971776-6, 4-1971776-6, 1-1971776-5, 2-1971776-5, 3-1971776-5, 4-1971776-5, 1-1971775-4, 2-1971775-4, 3-1971775-4, 4-1971775-4, 1-1971775-3, 2-1971775-3, 3-1971775-3, 4-1971775-3, 1-1971776-4, 2-1971776-4, 3-1971776-4, 4-1971776-4, 1-1971776-3, 2-1971776-3, 3-1971776-3, 4-1971776-3, 1-1971875-7, 2-1971875-7, 3-1971875-7, 4-1971875-7, 1-1971875-4, 2-1971875-4, 3-1971875-4, 4-1971875-4, 1-1971875-3, 2-1971875-3, 3-1971875-3, 4-1971875-3, 1-1971876-7, 2-1971876-7, 3-1971876-7, 4-1971876-7, 1-1971876-4, 2-1971876-4, 3-1971876-4, 4-1971876-4, 1-1971876-3, 2-1971876-3, 3-1971876-3, 4-1971876-3	E	0.5	V-0	3	0	140	140

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(#) - Code for Insulating Body Material.

(+) - Indicates material only applicable to the following Cat. Nos.:

Cat. No.	Max No. of Positions
1-2232264-1	6
1-2232264-4	8
1-2232266-1	6
1-2232266-4	8
1-2232356-6	9
1-2232357-6	15
1-2232356-5	15
1-2232357-4	12
1-2232357-5	15
1-2232360-4	12
1-2232360-5	15

(++) - Indicates material only applicable to the following Cat. Nos.:

\*

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Cat. No.	Max No. of Positions
5-2232264-3, 5-2232266-3	6
5-2232264-4, 5-2232266-4	8
5-2232264-5, 5-2232266-5	10
5-2232264-6, 5-2232266-6	12
6-2232264-3, 6-2232266-3	6
6-2232264-4, 6-2232266-4	8
6-2232264-5, 6-2232266-5	10
6-2232264-6, 6-2232266-6	12
7-2232264-3, 7-2232266-3	6
7-2232264-4, 7-2232266-4	8
7-2232264-5, 7-2232266-5	10
7-2232264-6, 7-2232266-6	12
8-2232264-3, 8-2232266-3	6
8-2232264-4, 8-2232266-4	8
8-2232264-5, 8-2232266-5	10
8-2232264-6, 8-2232266-6	12
5-2232356-3, 5-2232357-3	9
5-2232356-4, 5-2232357-4	12
5-2232356-7, 5-2232357-7	15
6-2232356-3, 6-2232357-3	9
6-2232356-4, 6-2232357-4	12
6-2232356-7, 6-2232357-7	15
7-2232356-3, 7-2232357-3	9
7-2232356-4, 7-2232357-4	12
7-2232356-7, 7-2232357-7	15
8-2232356-3, 8-2232357-3	9
8-2232356-4, 8-2232357-4	12
8-2232356-7, 8-2232357-7	15

(@) - Indicates material A applicable to level 2 in Ills. 1 thru 6, 13 thru 15, with the marking HDT in products; material B applicable to level B in Ills. 22 thru 27, with the marking HWT in products; material C applicable to level 1 in Ills. 1 thru 6, 13 thru 15, with the marking PBT in products; material D applicable to level A in Ills. 22 thru 27 and 31 thru 33, 38, 39 with the marking GWT in products. Material E applicable to Power Triple Lock Header in Ills. 34 and 37. Material E applicable to series PTL MFBL in Ills. 38 and 39. Material E applicable to Power Triple Lock, level 1 with prefix "1-" in Ill. 2 and level 1 with prefix "1-" in Ill. 13. Material G applicable to Power Triple Lock Header in Ills. 42 and 43. Material G applicable to Power Triple Lock, level 1 with prefix "2-, 3- or 4-" in Ill. 2, level A in Ill. 22, level 1 with prefix "2-, 3- or 4-" in Ill. 13, level A in Ill. 25.

- A. Tyco Raw  
Material P/N 705264.  
1. Dielectric strength (kV/mm): 25  
2. CTI: 0

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- B. Tyco Raw  
Material P/N 1573374  
1. Dielectric strength (kV/mm): 23  
2. CTI: 3
- \*C. Tyco Raw  
Material P/N 1573716.  
1. Dielectric strength (kV/mm): -  
2. CTI: 2
- D. Tyco  
Raw Material P/N 2136325.  
1. Dielectric strength (kV/mm): 11  
2. CTI: 1
- E. Tyco Raw Material P/N 2136507.  
1. Dielectric strength (kV/mm): 19  
2. CTI: -
- F. Tyco Raw Material P/N 2136325 w/ Colorants #XXXXXXX, #XXXXXXX.  
1. Dielectric strength (kV/mm): 11  
2. CTI: 1
- G. Tyco Raw Material P/N 2136507 w/ Colorants NBXXXXXXXX.  
1. Dielectric strength (kV/mm): 19  
2. CTI: -
- H. Tyco Raw Material P/N 2136682 w/ Colorants #CNYXXXXX  
1. Dielectric strength (kV/mm): 20  
2. CTI: 0
- I. Tyco Raw Material P/N 705999 w/ Colorants ABXXXXXXXX, ACXXXXXXXX  
1. Dielectric strength (kV/mm): 8  
2. CTI: 0

## Mating Connectors

4. These devices have only been assessed for use with specific types of connectors within their product family. They have not been assessed to operate with any other similar devices from any other manufacturer.

\*5. Crimp contacts of Power Triple Lock Series are intended for crimp termination on stranded copper conductor using the automatic crimp machine shown in Fig. 1, Fig. 2 and Fig. 3 matched with applicators indicated below respectively in table 4, and the hand tool requirements shown in table 5, see below tables for details.

\*Table 4

Contact	US/EMEA only Ocean Atlantic Application Tool P/N	US/EMEA only Ocean Pacific Application Tool P/N	AP only HDE Application Tool P/N	Wire Size (AWG)	Crimp Width (mm)	Crimp Height (mm)
*Tab/ Rec	2151741-1	2-2151741-1	1552992-2	12	3.05	1.87±0.05
	2151742-1	2-2151742-1	1552993-2	14	2.29	1.56±0.05
	2151743-1	2-2151743-1	1552994-2	16	2.03	1.37±0.04
				18		1.21±0.04
				20		1.08±0.04
	2151745-1	2-2151745-1	1552996-2	18*2	2.29	1.53±0.05
	2151746-1	2-2151746-1	1552511-2	<b>22+1 8</b>	2.03	<b>1.30±0.04</b>
	2151744-1	2-2151744-1	1552995-2	22	1.4	0.89±0.03
	2151743-1	2-2151743-1	--	22*2	2.03	1.08±0.04
2837163-1	2-2837163-1	--	24	1.4	0.91±0.05	

\*Table 5

Contact	Hand Tool No.	Wire Size (AWG)	Crimp Width (mm)	Crimp Height (mm)	
Tab/ Rec	2217268-1	12	3.05	1.87+0.05-0.1	
	2217266-1	14	2.29	1.56+0.05-0.1	
	2217208-1	16	2.03	1.37+0.04-0.08	
				18	1.21+0.04-0.08
				20	1.08+0.04-0.08
	2217266-1	18*2	2.29	1.53+0.05-0.1	
	2217267-1	20*2	2.03	1.28+0.04-0.08	
	2217267-1	22	1.4	0.89+0.03-0.06	

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6. Power Triple Lock Series Cat No. 2825722-1 has position 1 and position 2 internally short-circuited and dielectric voltage withstand testing across these positions is not applicable. 2200 VAC Potential was applied between all other positions/poles and was found compliant.