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REPORT

on

Multi-pole Splicing Wire Connectors

Tyco Electronics Corp
Harrisburg, PA 17111

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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Multi-pole splicing wire connectors, Luminaire Disconnect, Assembly
Cat. No. 2271203-1, 2271203-2, 2271203-3, 2834038-1, 2834038-2, 2834038-3.
Plug Cat. No. 2271180-1, 2271180-2, 2271180-3, **9-2271180-1, 9-2271180-2, 9-
2271180-3, 2834176-1, 2834176-2, 2834176-3**, 2834036-1, 2834036-2, 2834036-3.
Connector Cat. No. **2834180-1, 2834180-2, 2834180-3**, 2271183-1, 2271183-2,
2271183-3, **9-2271183-1, 9-2271183-2, 9-2271183-3**, 2834037-1, 2834037-2,
2834037-3, 2834137-1, 2834137-2, 2834137-3, **2834181-1, 2834181-2, 2834181-3**.

USL - Investigated for compliance with the US Standard for Safety for
Insulated Multi-Pole Splicing Wire Connectors, UL 2459.

CNL - Investigated for compliance with the Canadian Standard for Safety for
Insulated Multi-Pole Splicing Wire Connectors, CSA C22.2 No. 2459.

GENERAL:

These devices are insulated, non-grounding, multi-pole mating wire connectors
intended for factory or field assembly onto No. 18-22 AWG solid and/or tin
dipped stranded copper conductors.

They consist of two separable mating members that can be readily engaged or
disengaged without the use of tools. They are physically keyed to maintain
correct polarity and are not provided with a latching mechanism. They are
intended to be located within a luminaire and used for hot ballast disconnect
(Luminaire Disconnect).

These devices provide non-reusable spring action (push-in) terminals when used
with the rated size tin dipped stranded conductors and non-reusable spring
action (push-in) terminals when used with the rated size solid conductors.

RATINGS:

Electrical -

Luminaire Disconnect, Cat. No.	Male / Female	Mating / Non-mating	Voltage, V	Current, A
Assembly: 2271203-1, 2834038-1	Plug: 2271180-1, 9-2271180-1, 2834176-1, 2834036-1	Mating	600	3
	Connector: 2271183-1, 9- 2271183-1, 2834180-1, 2834137-1, 2834181-1, 2834037-1			
*				
Assembly: 2271203-2, 2834038-2	Plug: 2271180-2, 9-2271180-2, 2834176-2, 2834036-2	Mating	600	3
	Connector: 2271183-2, 9- 2271183-2, 2834180-2, 2834137-2, 2834181-2, 2834037-2, 2834137-2			
Assembly: 2271203-3, 2834038-3	Plug: 2271180-3, 9-2271180-3, 2834176-3, 2834036-3	Mating	600	3
	Connector: 2271183-3, 9- 2271183-3, 2834180-3, 2834137-3, 2834181-3, 2834037-3, 2834137-3			
*				

Wire Range -

*Cat No.	Male connector (Plug: 2271180-1, 2271180-2, 2271180-3, 9-2271180-1, 9- 2271180-2, 9-2271180-3, 2834176- 1, 2834176-2, 2834176-3, 2834036-1, 2834036-2, 2834036-3)		Female connector (Connector: 2834180-1, 2834180-2, 2834180-3, 2271183-1, 2271183-2, 2271183-3, 9-2271183-1, 9-2271183-2, 9-2271183-3, 2834037-1, 2834037-2, 2834037-3, 2834137-1, 2834137-2, 2834137-3, 2834181-1, 2834181-2, 2834181-3)	
	Wire range, AWG		Wire range, AWG	
	solid	stranded	solid	stranded
Assembly: 2271203-1, 2271203-2, 2271203-3, 2834038-1, 2834038-2, 2834038-3	18-22	18-22, tin- dipped	18-22	18-22, tin-dipped

*				

Strip Length -

Assembly Cat No. 2271203-1, 2271203-2, 2271203-3, 2834038-1, 2834038-2, 2834038-3	mm
Male connector (Plug: 2271180-1, 2271180-2, 2271180-3, 9-2271180-1, 9-2271180-2, 9-2271180-3, 2834176-1, 2834176-2, 2834176-3, 2834036-1, 2834036-2, 2834036-3)	9.5 ± 0.8 or 9.0 - 9.6
*Female connector (Connector: 2834180-1, 2834180-2, 2834180-3, 2271183-1, 2271183-2, 2271183-3, 9-2271183-1, 9-2271183-2, 9-2271183-3, 2834037-1, 2834037-2, 2834037-3, 2834137-1, 2834137-2, 2834137-3, 2834181-1, 2834181-2, 2834181-3)	9.5 ± 0.8 or 9.0 - 9.6

Maximum Operating Temperature - 105°C