



UNDERWRITERS LABORATORIES INC.
1285 WALT WHITMAN ROAD · MELVILLE, LONG ISLAND, NEW YORK 11747

an independent, not-for-profit organization testing for public safety

File E13288
Project 87ME12073

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REPORT

on

COMPONENT - WIRE CONNECTORS

AMP, Inc.
Harrisburg, PA

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Look For The  Listing or Classification Mark On The Product

DESCRIPTION

PRODUCT COVERED:

Component pressure terminal connector designated "Plasti-Grip", Cat. Nos. 0-165143-0, 0-165167-0, 9-165075-0, 0-165075-0, 0-165075-1, 9-165171-0, 0-165171-0, 0-165171-1, 0-165085-0. "Pidg", Cat. Nos. 0-165514-1, *0-165142-0, 0-165168-0, 0-165046-0, 0-165172-0, 0-165049-0, 0-160404-2.

GENERAL CHARACTER AND USE:

The devices covered by this Report are crimp-type insulated wire connectors having the following ratings.

Wire Pin Cat. No.	Type	Wire Range		Temp. Rating	Volt Rating	Crimp Tools
		AWG-Cu Stranded	Insulation Type			
0-165143-0	Plasti-Grip	22-16	PVC	90C	600V	169400
0-165167-0	Plasti-Grip	22-16	PVC	90C	600V	169400
9-165075-0	Plasti-Grip	16-14	PVC	90C	600V	169400
0-165075-0	Plasti-Grip	16-14	PVC	90C	600V	169400
0-165075-1	Plasti-Grip	16-14	PVC	90C	600V	169400
9-165171-0	Plasti-Grip	16-14	PVC	90C	600V	169400, 47387-2
0-165171-0	Plasti-Grip	16-14	PVC	90C	600V	169400, 47387-2
0-165171-1	Plasti-Grip	16-14	PVC	90C	600V	169400, 47387-2
0-165085-0	Plasti-Grip	12-10	PVC	90C	600V	169400
0-165514-1	Pidg	26-22	Nylon	105C	300V	169400
0-165142-0	Pidg	22-16	Nylon	105C	300V	169400
0-165168-0	Pidg	22-16	Nylon	105C	300V	169400
0-165046-0	Pidg	16-14	Nylon	105C	300V	169400
0-165172-0	Pidg	16-14	Nylon	105C	300V	169400
0-165049-0	Pidg	12-10	Nylon	105C	300V	169400
*0-160404-2	Pidg	12-10	Nylon	105C	300V	90276-2

Tooling

Crimping tool

AMP Certi-Crimp	Part No. 47387-2 (Dieless)	
AMP Certi-Lok	Part No. 169400	Ill. 2
with Certi-Lok Die	Part No. 169404	Ill. 3
AMP hand tool	Part No. 90276-2	

The insulation described in this Report is molded from a R/C plastic (QMFZ2) in one piece to cover this manufacturer's Recognized connectors, Cat. No. 165171. The insulation is rated 90°C max, 600 V max.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - "For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc."

Conditions of Acceptability -

1. All connectors except 0-160404-2 are for use with AMP hand tools Certi-Crimp 47387-2, and Certi-Lok 169400 with die 169404. Cat. No. 0-160404-2 uses AMP P/N 90276-2 hand tool.
2. The wire crimp barrel portion of these connectors have been investigated to UL 486A, the Standard for Wire Connectors and Soldering Lugs for use with copper conductors, Seventh Edition.
3. The pin end of these connectors are intended for use with a push-in type (cage clamp) terminal. The suitability of termination of the pin terminals shall be determined in the end-use product.
4. The suitability of the terminals for a specific ampere rating shall be determined in the end-use product.
5. These connectors are for use with stranded copper wire only.